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Cableforce Electronics
INDUSTRIAL CABLE CONNECTORS
东莞中传工业连接器有限公司

www.cableforce.cn

Factory automation, Rail transit, Boat, PLC, Motor and Sensor
工厂自动化 · 轨道机车 · 游艇 · 伺服电机 · 传感器连接器

2025版 EDITION

LAPP

The most important connection is between you and us !

Company profile

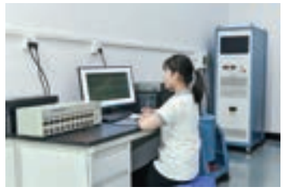
CABLEFORCE ELECTRONICS focuses on the industrial connectors and cable assembly' s research, development, manufacturing and sales. Whether the requirements are large or small, complex or simple, CABLEFORCE has the experience and skills to get the job done right! With the efficient modern machinery and instruments of cable and connector' s development and production, enable us supplying customers with 2D, 3D designing, tooling & prototyping, cable cutting, soldering, crimping, epoxy resin injection, plastic injection molding, printing and testing.

Our Mission

Globally supplying customers with excellent quality cable and connectors at affordable price, to create better life for our staff, shareholders, suppliers, and related parties.

Our technology

At Cableforce, you will experience our value-add products and services. With our systems, our process, our people and our extensive vendor base affords us solutions in the following technologies:



- 2D, 3D Connector structure & components design, prototyping, producing
- Cable specification designing, sourcing and developing
- UL, CE, IP67, EMC, LVD, NFPA130, EN45545, DIN5510 certified cables
- Cable Strain Relief design and molding
- Cable professional cutting, stripping and heating stripping
- Connector injection molding, assembling, measuring and testing
- Soldering, Crimping, Stamping, Mounting, Assembling
- Plastic injection tooling making
- Screw & Metal parts CNC, Plating, Coating
- Die-casting and mold making
- FKM, Silicone injection
- Sheet metal forming
- Pad printing
- Labeling
- ROHS and REACH compliant
- In-house specification measuring, voltage and current rating test, temperature shock testing, Hi-pot testing, IP67 waterproof testing, hydrolysis resistant testing, Salt-spray testing, Oil resistant testing, Terminal mating life testing, cable tension pull force testing, FLUKE Ethernet cable testing.

Core Benefits

- FREE Technical Consultation
- FREE Technical Drawings
- Samples & Prototyping
- Custom Labels & Packaging
- Using Best in Class Materials
- Competitive Pricing
- Timeline Planning
- Certified Cables on Request
- Quality Control & 100% Testing
- Guaranteed for Life
- Safe and reliable system that is easy to install
- CE, IP67, UL Certified
- Manufactured, assembled and tested in our facility
- Excellent weathering, UV and temperature resistance
- High impact strength even
- Ingress protection up to IP68
- Vibration proof connections
- RoHS and REACH compliant
- Excellent chemical resistance: to fuels, oils, alkalies, weak acids.
- Free of halogen, LSZH

OEM, ODM Service

In addition to standard industrial circular connectors, CABLEFORCE prides itself in supplying customized development, design and manufacturing of cable and connections to meet customers’ specific requirements, as well as customers branding, labeling service.

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RF
Cable Assembly

Beside the industrial circular cable connectors Cableforce aslo developing and manufacturing the radio frequency coaxial cable assemblies for the rugged applications such as railway, aerospace & defense, marine and oil & gas, mobile communication, Radio frequency identification, broadcast television, testing instrumentation, rail transit and Medical equipment, Process automation and so on.

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M5
Circular cable connectors

The Series M5 is specially developed for the miniature sensor market and any application that requires multiple sensors within a very small area. The product line offers 3 and 4 Pins cable cord-sets and a range of panel-mounted receptacles. All connectors are either factory PUR over-molded or panel receptacles supplied with sold-cup for wire connecting, PCB panel solder type is available.

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M8
Circular cable connectors

CABLEFORCE M8 series provides a wide range of metric M8 connectors for small sensors and actuators. Shielded is available and rated to IP 67, these connectors are ideally suited for industrial control networks where small sensors are required. Connectors are either factory TPU over-molded or panel receptacles supplied with sold-cup for wire connecting or with PCB panel solder contacts. Field attachable / mountable connector is also available for your choice.

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M12
Circular molded cable

M12 circular connectors with M12 locking thread for Automation, Process control, Industrial Ethernet, Railway CCTV, Boat cabling etc.. The Series of CABLEFORCE M12 connector offers many different cable connectors configuration, panel-mounted receptacles, field attachable/installable connectors with industry-standard A, B, C, D, X, S, T, K, L and Y keyway coding options.

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M12
Circular panel connectors

M12 series with wide product range of panel type connectors for sensor/actuator components offers comprehensive solutions for M12 devices connection. M12 panel mount connectors are available for the device connection for sensor/actuator boxes, field-bus modules and industrial controllers. These connectors can be mechanically integrated into the device design "seamlessly", and are also designed for economical PCB assembly with rear mount type and front mount type.

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M12
Field wireable connectors

Permit high flexibility for wiring in the field. For quick assembly and disassembly of often differing cable lengths, crimping, soldering and screw termination are available, and quick-locking fast connection type is available.

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M12
T-Adapter & Y-Splitters

The M12 Adapter and Splitters splits wires into 2 to 5 separate connectors, allowing installation of more single-channel input or output devices to each port of devices. Connectors are available with parallel circuits, which allow input or output signals to run or trigger devices simultaneously, designed for Devicenet, CAN Bus, Profibus, NMEA 2000 cablings.

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M16
Circular connectors

CABLEFORCE M16 circualr connectors designed for both signal and power application. Its metal shielded body is highly resistant to harsh condition industrial environment. CABLEFORCE offers M16 cable assembly, M16 field wireable connector, and panel mount connectors with solder pins.

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7/8"
Mini-change Circular cable connectors

The 7/8" Mini-change IP 67 connectors are mating-compatible with industry mini-change connectors and designed for both signal and electricity current application. Cableforce offers 7/8" over molded cables, 7/8" Field wireable connectors and 7/8" panel mount receptacles, as well as T-Connectors.

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M23
Circular cable connectors

Cableforce also manufacture the M23 electrical connectors and M23 cables for connecting electrical drives, encoders, servo-motors and robotic dress-pack in Industrial applications. The M23 refers to the thread of the connector's locking screw used in connecting the cable plug or receptacle. The M23 connector is versatile due to its robust design, and the combination of power and signal pins with its design.

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I/O
Industrial Data Cable Connectors

- RJ45, CAT 5E, CAT 6A, CAT 7 Ethernet cables
- USB 2.0, USB 3.0 data cable
- RJ45, CAT 5E, CAT 6A, CAT 7
- USB 2.0, USB 3.0
- RS 232, RS485, D-Sub, VGA connecting cable
- LSZH Fire retardant , 360°EMC/ EMI Shielded
- RS 232, Rs485, D-Sub, VGA

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Rail Transit Vehicle Cables

CABLEFORCE providing wide range of products in a complete line of sizes (AWG and mm²) and safe dependable cable with high-grade crosslinked jacket cables and pre-assembled connectivity solution for servers or CCTV cameras, such as M12 D-Code (Cat 5e) and M12 X-Code (Cat 6A, Cat 7) connectors with EN45545 and NFPA130 certified Ethernet cables.

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Cable Assembly and Wire Harness

CABLEFORCE supplying standard interface connecting cables as well as customized cable assembly and wire harness, such as Power + Signal hybrid cable connector assembly, Industrial Drag Chain Cable, PLC and servo motor cables, UL2651, UL2468 Ribbon cables. Whether your application is simple or complex, standard or very custom, we have the technical expertise and the manufacturing capability to help.

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NMEA 2000
Boat Cable Connectors

NMEA 2000 is compatible with the CANBus used on road vehicles and DeviceNet fieldbus cable specifications. Of NMEA 2000, CABLEFORCE have developed the N2K Trunk-line (15AWG+18AWG) and drop-line 22AWG+24AWG cable and connectors, includes: M12 cable and bulkhead, 7/8" Mini cable and bulkhead and the 120 ohm terminal resistor connector.

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M8/M12
Junction Boxes

The junction boxes provide more extension possibilities to industrial field control systems. Our M8/M12 series junction boxes are available in 4, 8, 10 and 12 ports with either 4 or 5 poles per port. The master input can be configured with either Teminal blocks, 7/8", M23 connectors, or a pre-molded cable to the junction box.

How to order part number

MC 04 C5 L S D S B 22 R LB 50 ETN F5

Connector type	Numbers of Contacts	Gender, Connector Configuration, Mounting Style	Orientation	Termination Style	Key coding	Shielding, LED Type	Housing/Screw Version	1. Panel Mount Connector Chassis Side Thread 2. Cable Outlet for Wireable Connector	Wire Gauge	Cable jacket	Cable jacket color	Cable Length	Cable Classified, Stripping	Cable Special Designator
MA (M05)	01 (Pin)	C1 (Male plug molded cable)	L (Straight)	C (Crimping type)	A code	S (Shielded)	A (Aluminum anodized screw)	8.5- (M8x0.5 Chasiss side)	30 (30AWG/0.05mm²)	C (PVC cable)	K (Black)	003 (30mm)	-Sxx-x (xx Jacket Stripped Length)	AA (Armoured with Aluminum)
MB (M08)	02 (Pin)	C2 (Female plug molded cable)	R (Right angled)	S (Solder type)	B code		B (Brass with nickel plated)	8- (M8x1.0 Chasiss side)	28 (28AWG/0.08mm²)	R (PUR, TPU cable)	G (Green)	01 (10cm)	(x Wire Insulation Tinned, mm)	AS (Armoured with Steel)
MC (M12)	03 (Pin)	C3 (Male to female double ended cable)	LR (L to R)	W (Screwing type)	C code	P (PNP LED)	BP (Brass Push Pull Locking)	9.5- (M9x0.5 Chasiss side)	26 (26AWG/0.14mm²)	S (Silicon cable)	B (Blue)	02 (20cm)		AC (Armoured with Copper tape)
MD (M16)	04 (Pin)	C4 (Female to female double ended cable)		P (PCB Contacts)	D code	N (NPN LED)	BF (Brass, square flange)	10 (M10x1.0 Chasiss side)	24 (24AWG/0.25mm²)	T (PTFE cable)	LB (Lake blue)	03 (30cm)	A (AL Foil Shield)	FC (Flexible Conduit)
ME (M20)	05 (Pin)	C5 (Male to male double ended cable)		I (IDC)	X code		BH (Brass, Hexagon)	10.5 (M10x0.5 Chasiss side)	22 (22AWG/0.34mm²)	E (TPE cable)	V (Violet, Purple)	04 (40cm)	AB (AL+Braid Shield)	FS (Fabric Sheath/ tube)
MF (7/8")	06 (Pin)	C6 (Panel connector, female to female, molded cable)		SP(Spring type)	S code	PN1 (PNP Single Path)	Z (Zinc alloy screw)	10.7 (M10x0.75 Chasiss side)	20 (20AWG/0.5mm²)	L (LSZH cable)	O (Orange)	05 (50cm)	ABD (AL+Braid Shield+Drain)	
MG (M23)	07 (Pin)	C7 (Panel connector, male to male, molded cable)			T code	PN2 (PNP Dual Path)	ZF (Zinc alloy, square flange)	12- (M12x1.0 Chasiss side)	18 (18AWG/0.75mm²)	XE (XLPE cable PE)	GY (Grey)	10(1.0m)		F1 (1 million bending life)
	08 (Pin)	C9 (Panel connector, male to female, molded cable)			L code	NP1 (NPN Single Path)	ZH (Zinc alloy, Hexagon)	16- (M16x1.5 Chasiss side)	16 (16AWG/1.5mm²)	RB (Rubber cable)	W (White)	15 (1.5m)	C5E (Cat 5e SFTP)	F2 (2 million bending life)
RJ5 (RJ45 Cat 5)	09 (Pin)				K code	NP2 (NPN Dual Path)	S (Stainless steel screw)	20- (M20x1.5 Chasiss side)	15 (15AWG/2.0mm²)		BN (Brown)	20 (2.0m)	C6A (Cat 6a SFTP)	F5 (5 million bending life)
RJ5E (RJ45 Cat 5e)	10 (Pin)	P1 (Male panel mount, front fastening)			Y code		SH (Stainless steel screw, Hexagon)	23- (M23x1.0 Chasiss side)	14 (14AWG/2.5mm2)	W (PVC single wire)	Y (Yellow)	25 (2.5m)	C7 (Cat 7 SFTP)	F8 (8 million bending life)
RJ6 (RJ45 Cat 6)	12 (Pin)	P2 (Female panel mount, front fastening)			P code		P (Plastic screws & housing)	25- (M25x1.0 Chasiss side)	12 (12AWG/4.0mm²)	WR (PU single wire)	R (Red)	30 (3.0m)	C8 (Cat 8 SFTP)	F10 (10 million bending life)
RJ6A(RJ45 Cat 6a)	14 (Pin)	P3 (Male panel mount, rear fastening)			H code		PF (Plastic, Square flange)	P7- PG7	10 (10AWG/5.0mm²)	WI (Silicon single wire)	P (Pink)	50 (5.0m)		F20 (20 million bending life)
RJ7 (RJ45 Cat 7)	16 (Pin)	P4 (Female panel mount, rear fastening)						P9- PG9	08 (8AWG/8.0mm²)	WP (PP single wire)	Wires no color code	100 (10m)	CAN (CANopen)	
RJ8 (RJ45 Cat 8)	17 (Pin)	P3X (Male panel mount, Positioning Adjustable)						P11- PG11	06 (6AWG/13mm²)	WE (PE single wire)		150 (15m)	CCL (CC-Link)	AR (Abrasion Resistant)
	19 (Pin)	P4X (Female Panel, Positioning Adjustable)						P13- PG13.5	04 (4AWG/25mm²)	WHE (HDPE single wire)		300 (30m)	DVN (DeviceNet)	CR (Corrosion Resistant)
U2 (USB 2.0)	(Hybrid below)	P5 (Snap-in / Male panel mount, front fastening)						14N- (1/2" 14-NPT Chasiss side)	02 (2AWG/33mm²)	WXE (XLPE single wire)		500 (50m)	ETN (EtherNet Drag Chain)	EP (Explosion Proof)
U3 (USB 3.0)	H1E (1+PE)	P6 (Snap-in/ Male panel mount, rear fastening)						18N- (1/4" 18-NPT Chasiss side)	01 (1AWG/42mm²)	WFPE (Foamed PE wire)			ETC (EtherCAT Drag Chain)	FR (Fuel Resistant)
UC (USB Type C)	H2E (2+PE)	P7 (Male-female, through wall type panel connector)								WS (Shielded single wire)			N2K (NMEA 2000)	HR (Hydrolysis Resistant)
	H23 (2P+3P)	P8 (Panel connector, female, molded cable, front fastening)								WT (PTFE Wire)			PFN (ProfiNet Drag Chain)	OR (Oil Resistant)
DB (D-SUB)	H3E (3+PE)	P9 (Panel connector, male, molded cable, front fastening)											PFB (Profibus)	WR (Weld Resistant)
DV (DVI)	H35 (3P+5P)												R (Railway Transportation)	HT (High Temperature)
MD (Mini-Din)	H38 (3P+8P)	A1 (Male field wirable connector)												LT (Low Temperature)
SV (Solenoid Valve)	H4E (4+PE)	A2 (Female field wirable connector)											S35 Jacket stripping 35mm	LH (Low & High Temperature)
	H48 (4P+8P)	A3 (Field wirable type, male to female connector)											S35/5 Jacket stripping 35mm,	HV (High Voltage)
	H5E (5+PE)	A4 (Field wirable type, female to female connector)											core wire tinned 5mm	UV (UV Resistant)
	H6E (6+PE)	A5 (Field wirable type, male to male connector)												
		T-MFF (1+2 way T-adaptor, Male to 2 x female)												
		T3 -MFFF (Gender) (1+3 way T-adapter)												
		T4 -MFFFF (Gender) (1+4 way T-adapter)												
		T5 - (1+5 way T-adapter)												
		T6 -CMF (Gender) (T-Splitter power tap)												
		T1 (Male Termination resistor)												
		T2 (Female Termination resistor)												
		TL (Male to Female Termination Resistor)												
		TR (Male-Female in one Angled adapter)												
		Y-MFF (1+2 way Y-Splitter, Male to 2 x female)												
		Y1 (Y-Splitter cable 1 male Y-splited to 2 way)												
		Y2 (Y-Splitter cable 1 female Y-splited to 2 way)												
		W4 (4 Ports Junction Box)												
		W8 (8 Ports Junction Box)												
		W10 (10 Ports Junction Box)												
		W12 (12 Ports Junction Box)												
		PC01 (Male connector's plastic cap)												
		PC02 (Female connector's plastic cap)												
		PC03 (Male connector's plastic cap with strip)												
		PC04 (Female connector's plastic cap with strip)												
		PC01-S (Steel, Male connector's Protection cap)												
		PC02-S (Steel, Female connector's Protection cap)												
		PC03-S (Male connector's Steel cap with lanyard)												
		PC04-S (Female connector's Steel cap with lanyard)												

Keyway Coding Overview

	Coding	Coding Image	Description	Purpose
M8	M8 A-coding		Available with 3, 4, 6 and 8 poles	Flexible solutions for application including small power applications for servo drives
	M8 B-coding		Available with 5 poles	Flexible solutions for application including small power applications for servo drives
	M8 D-coding		Available with 4 poles	Connection for Industrial Ethernet applications (e.g. PROFINET, EtherNet/IP, EtherCAT, ...)
M12	M12 A-coding		Available with 2, 3, 4, 5, 8, 12 ,17poles	Flexible solutions for sensor/actuator application including sensor data transmission
	M12 B-coding		Available with 5 poles	PROFIBUS
	M12 C-coding		Available with 2, 3, 4, 5, 6 poles	Mainly used in the USA automation industry
	M12 D-coding		Available with 4 poles	Connection for Industrial Ethernet applications (e.g. PROFINET, EtherNet/IP, EtherCAT, ...)
	M12 X-coding		Available with 8 poles	Connector for Industrial Ethernet (10 Gbit/s, Cat6A)
	M12 K-coding		Available with 5 poles	High power connection for field devices, drives, AC motors, frequency inverters
	M12 L-coding		Available with 5 poles	
	M12 S-coding		Available with 3, 4 poles	
	M12 T-coding		Available with 4 poles	
	M12 Y-coding		Available with 2 / 4 + 2 x 2 poles	Hybrid connector for automation industry

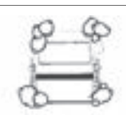
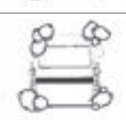
Icon of special application

Icon 图标	Icon explanation 图标说明
UL	UL-approved UL
CE	CE approved CE
LSZH	Low Smoking Zero Halogen
RoHS	RoHS Compliant
48 H SALT SPRAY	48 Hours Salt-Spray test
IP67	RoHS Compliant IP67
UL 94	UL94 Flame Retardent UL94

Icon 图标	Icon explanation 图标说明
	Vibration and shock resistance
	Oil, coolants, lubricants and emulsion resistance
	Drag chain suitability
	UV resistance
	Electromagnetic resistance EMC
	High-Low temperature resistant
RAIL	Suitable for railway applications

IP Code

First index figure (foreign bodies protection)

First digit	Illustration	Degree of Protection
0		No protection against accidental contact, no protection against solid foreign bodies 没有保护
1		Protection against contact with any large area by hand and against solid foreign bodies with Ø >50 mm 防止大的固体侵入
2		Protection against contact with the fingers, protection against solid foreign bodies with Ø >12 mm 防止中等大小的固体侵入
3		Protection against tools, wires or similar objects with Ø >2.5 mm, protection against solid foreign bodies with Ø >2.5 mm 防止小固体进入侵入
4		Just like 3 except for the size difference of Ø >1 mm 防止物体大于 1mm 的固体进入
5		Full protection against contact, protection against interior injurious dust deposits 防止有害的粉尘堆积
6		Total protection against contact, protection against penetration of dust 完全防止粉尘进入

Second index figure (water protection)

Second digit	Illustration	Degree of Protection
0		No protection against water 无防水保护
1		Protection against vertical water drops 垂直水滴防护
2		Protection against water dripping (15° tilted) 斜流水滴防护 (15度角)
3		Protection against spraying (60° angle) 斜流水滴防护 (60度角)
4		Protection against splashed water from all directions 全方位的溅水防护
5		Protection against water jetting from all directions 全方位防水 (喷流)
6		Protection against powerful water jetting 全方位防水 (强力喷流)
7		Protection against temporary submersion in water 如果发生短时间浸泡，防止水侵入
8		Protection against ingress of water in case of continuous immersion, requirements under agreement of user and manufacturer 根据用户与制造商之间达成的一致要求，在连续浸泡的情况下防止水侵入
9K		Protected against water from high-pressure/ steam jet cleaners 高压水枪喷射及蒸汽清洗情况下防止水侵入

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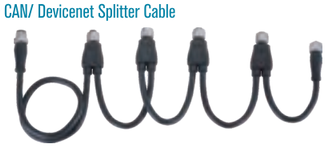
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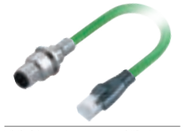
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USB 2.0 Female Split to 2x Female Connector With Locking Screw Molded With Cable 389 PAGE

USB 2.0 Cable

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USB 3.0 Cable

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USB Micro Cable

USB Micro Male/Female Connector, Molded With Cable 393 PAGE

USB Micro Cable

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USB Micro Cable

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NMEA 2000 drop cable

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M12 Junction Boxes

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RF Cable Assembly

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Beside the industrial circular cable connectors Cableforce a Lapp Company aslo developing and manufacturing the radio frequency coaxial cable assemblies for the rugged applications such as railway, aerospace & defense, marine and oil & gas, mobile communication, Radio frequency identification, broadcast television, testing instrumentation, rail transit and Medical equipment, Process automation and so on.

RF
Cable Assembly

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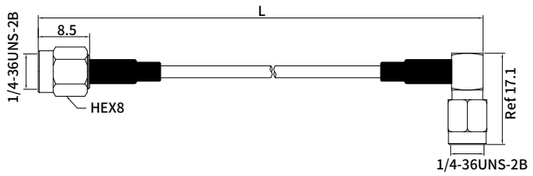
- Stable phase and amplitude while bending
- Low loss, Flexible
- Longer operational lifetime

How to order part number

RFC	SMA	C5	L	S	40	B			N	RG58	R	K	3	SF
Connector type	Series	Gender, Connector Configuration, Mounting Style	Drientation	Termination Style	Impedance	Housing/Screw Versio			Polarity	Wire Gauge	Cable jacket	Cable jacket color	Cable Length	Cable Special Designator
RF	N TYPE	C1	L (Straight)	C (Crimping type)	50 Ohms	B			V	1.5DS	C	K	003 (30mm)	F
RF Connector	BNC	Male plug	R (Right angled)	S (Solder type)	75 Ohms	Brass with nickel plated			Standard type	RF 1.13	PVC cable	Black	01 (10cm)	Flexible
RFC	TNC	C2	LR (L to R)	P (PCB contacts)		BF			R	RG6	R	G	02 (20cm)	SF
RF Cable Assembly	BMA	Female plug				Brass, square flange			Reverse polarity	RG58	PUR, TPU cable	Green	03 (30cm)	Semi-flex
	SMA	C3				BH				RG59	S	B	04 (40cm)	MF
	SMB	Male to female double ended cable				Brass, Hexagon				RG142	Silicon cable	Blue	05 (50cm)	Max flex
	SMC	C4	Female to female double ended cable			S				RG174	T	LB	10 (1.0m)	
	SMP					Stainless steel screw				RG178	PTFE cable	Lake blue	15 (1.5m)	
	SMZ	C5	Female to female double ended cable			SH				RG187	E	V	20 (2.0m)	
	SSMA					Stainless steel screw,Hexag				RG188	TPE cable	Violet, Purple	25 (2.5m)	
	SSMB	P1	Male panel mount			on				RG213	L	O	30 (3.0m)	
	MCX									RG223	LSZH cable	Orange	50 (5.0m)	
	MMCX	P2	Female panel mount							RG316	XE	GY	100 (10m)	
	FAKRA									RG402	XLPE cable PE	Grey	150 (15m)	
	UHF	TL	Male to female adapter, straight							RG405	RB	W	300 (30m)	
	2.92									LMR100	Rubber cable	White	500(50m)	
	2.4	TR	Male to female adapter, right angle							LMR195		BN		
	1.85		d							LMR200		Brown		
										LMR240		Y		
										LMR400		Yellow		
										STF-142		R		
												Red		
												P		
												Pink		

SMA male connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-15, MIL-STD-348A/310, CECC 22110	IEC 60169-15, MIL-STD-348A/310, CECC 22110
Connector Type	SMA	SMA
Gender	Plug (male)	Plug (male)
Plug form	Straight	90° Right Angled
Insulation	PTFE	PTFE
Screw nut	Stainless steel passivated finish	Stainless steel passivated finish
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Gold plated brass	Gold plated brass
Engage/disengage force	900g Max.	900g Max.
Soldering ferrule	Brass, CNC, Gold plated	Brass, CNC, Gold plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	Solder	Solder
Suitable cables	Semi-flex RG402/ Maxflex RG402	Semi-flex RG402/ Maxflex RG402
	RG174/ RG58/ RG316/ RG405	RG174/ RG58/ RG316/ RG405
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC~6 GH（z semi-flex RG402)、DC~12GHz(Maxflex RG402 ）	
Operating voltage	≤ 150V	
Impulse voltage	1000V	
Voltage Standing Wave Ratio	≤1.3	
Insulation resistance	＞5000MΩ	
Amplitude stability	±0.2 dB	
Attenuation Typical Value	0.8 dB/m@1000 MH（z semi-flex RG402),0.90 dB/m@1000 MHz(Maxflex RG402 ）	
	1.15 dB/m@2000 MH（z semi-flex RG402),2.66dB/m@6000 MHz(Maxflex RG402 ）	
	1.55 dB/m@3000 MH（z semi-flex RG402),3.4dB/m@10000 MHz(Maxflex RG402 ）	
	2.25 dB/m@6000 MH（z semi-flex RG402),3.8dB/m@12000 MHz(Maxflex RG402 ）	
Cable Data		
Center conductor	Maxflex RG405，1x0.51mm , Solid Copper with Silver plated	
Outer conductor	Copper with Silver plated, 96% braid coverage	
Dielectric	PTFE	
Jacket	FEP	
Cable outer diameter	2.65mm +/- 0.15	
Impedance	50 Ω +/- 2	
Velocity of signal propagation	0.7	
Operating Frequency	DC~6 GH（z semi-flex RG402)，DC~12GHz(Maxflex RG402 ）	
Operating voltage	＜150Vrms (at sea level)	
Test voltage	0.8 KVrms (50 Hz/1 min)	
Voltage Rating	150 V	
Minimum bending radius	20mm	
Environmental Data		
Temperature range	-55 °C ... +125 °C	
Installation temperature	-20 °C... +60 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

Ordering No.

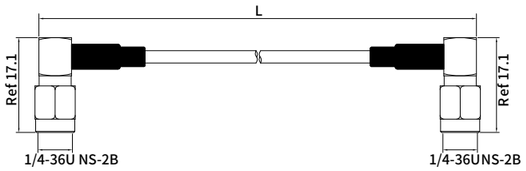
length	RG58 cbale	RG174 cbale	RG316 cbale	Semi-flex RG402 cbale	Max-flex RG402 cbale	RG405 cbale
0.5m	EPIC RFCSMAC5RLB-RG58-05	EPIC RFCSMAC5RLB-RG174-05	EPIC RFCSMAC5RLB-RG316-05	EPIC RFCSMAC5RLB-RG402-05-SF	EPIC RFCSMAC5RLB-RG402-05-MF	EPIC RFCSMAC5RLB-RG405-05
	7433507422	7433507427	7433507432	7433507437	7433507442	7433507447
1.0m	EPIC RFCSMAC5RLB-RG58-10	EPIC RFCSMAC5RLB-RG174-10	EPIC RFCSMAC5RLB-RG316-10	EPIC RFCSMAC5RLB-RG402-10-SF	EPIC RFCSMAC5RLB-RG402-10-MF	EPIC RFCSMAC5RLB-RG405-10
	7433507423	7433507428	7433507433	7433507438	7433507443	7433507448
1.5m	EPIC RFCSMAC5RLB-RG58-15	EPIC RFCSMAC5RLB-RG174-15	EPIC RFCSMAC5RLB-RG316-15	EPIC RFCSMAC5RLB-RG402-15-SF	EPIC RFCSMAC5RLB-RG402-15-MF	EPIC RFCSMAC5RLB-RG405-15
	7433507424	7433507429	7433507434	7433507439	7433507444	7433507449
2.0m	EPIC RFCSMAC5RLB-RG58-20	EPIC RFCSMAC5RLB-RG174-20	EPIC RFCSMAC5RLB-RG316-20	EPIC RFCSMAC5RLB-RG402-20-SF	EPIC RFCSMAC5RLB-RG402-20-MF	EPIC RFCSMAC5RLB-RG405-20
	7433507425	7433507430	7433507435	7433507440	7433507445	7433507450
3.0m	EPIC RFCSMAC5RLB-RG58-30	EPIC RFCSMAC5RLB-RG174-30	EPIC RFCSMAC5RLB-RG316-30	EPIC RFCSMAC5RLB-RG402-30-SF	EPIC RFCSMAC5RLB-RG402-30-MF	EPIC RFCSMAC5RLB-RG405-30
	7433507426	7433507431	7433507436	7433507441	7433507446	7433507451

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

RF Cable Assembly

SMA male connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-15, MIL-STD-348A/310, CECC 22110	IEC 60169-15, MIL-STD-348A/310, CECC 22110
Connector Type	SMA	SMA
Gender	Plug (male)	Plug (male)
Plug form	90° Right Angled	90° Right Angled
Insulation	PTFE	PTFE
Screw nut	Gold plated brass or brass with nickel plating	Gold plated brass or brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Gold plated brass	Gold plated brass
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold plated	Brass, CNC, Gold plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	Solder	Solder
Suitable cables	Semi-flex RG402/ Maxflex RG402	Semi-flex RG402/ Maxflex RG402
	RG174/ RG58/ RG316/ RG405	RG174/ RG58/ RG316/ RG405
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC~6 GH（z semi-flex RG402)、DC~12GHz(Maxflex RG402 ）	
Operating voltage	≤ 150V	
Impulse voltage	1000V	
Voltage Standing Wave Ratio	≤1.3	
Insulation resistance	＞5000MΩ	
Amplitude stability	±0.2 dB	
Attenuation Typical Value	0.8 dB/m@1000 MH（z semi-flex RG402),0.90 dB/m@1000 MHz(Maxflex RG402 ）	
	1.15 dB/m@2000 MH（z semi-flex RG402),2.66dB/m@6000 MHz(Maxflex RG402 ）	
	1.55 dB/m@3000 MH（z semi-flex RG402),3.4dB/m@10000 MHz(Maxflex RG402 ）	
	2.25 dB/m@6000 MH（z semi-flex RG402),3.8dB/m@12000 MHz(Maxflex RG402 ）	
Cable Data		
Center conductor	Maxflex RG405, 1x0.51mm , Solid Copper with Silver plated	
Outer conductor	Copper with Silver plated, 96% braid coverage	
Dielectric	PTFE	
Jacket	FEP	
Cable outer diameter	2.65mm +/- 0.15	
Impedance	50 Ω +/- 2	
Velocity of signal propagation	0.7	
Operating Frequency	DC~6 GH（z semi-flex RG402), DC~12GHz(Maxflex RG402 ）	
Operating voltage	＜150Vrms (at sea level)	
Test voltage	0.8 KVrms (50 Hz/1 min)	
Voltage Rating	150 V	
Minimum bending radius	20mm	
Environmental Data		
Temperature range	-55 °C ... +125 °C	
Installation temperature	-20 °C... +60 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

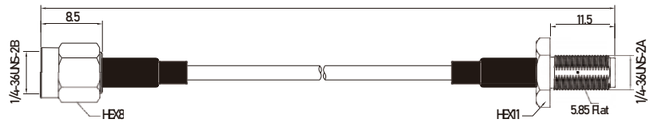
Ordering No.

length	RG58 cbale	RG174 cbale	RG316 cbale	Semi-flex RG402 cbale	Max-flex RG402 cbale	RG405 cbale
0.5m	EPIC RFCSMAC5RB-RG58-05	EPIC RFCSMAC5RB-RG174-05	EPIC RFCSMAC5RB-RG316-05	EPIC RFCSMAC5RB-RG402-05-SF	EPIC RFCSMAC5RB-RG402-05-MF	EPIC RFCSMAC5RB-RG405-05
	7433507452	7433507457	7433507462	7433507467	7433507472	7433507477
1.0m	EPIC RFCSMAC5RB-RG58-10	EPIC RFCSMAC5RB-RG174-10	EPIC RFCSMAC5RB-RG316-10	EPIC RFCSMAC5RB-RG402-10-SF	EPIC RFCSMAC5RB-RG402-10-MF	EPIC RFCSMAC5RB-RG405-10
	7433507453	7433507458	7433507463	7433507468	7433507473	7433507478
1.5m	EPIC RFCSMAC5RB-RG58-15	EPIC RFCSMAC5RB-RG174-15	EPIC RFCSMAC5RB-RG316-15	EPIC RFCSMAC5RB-RG402-15-SF	EPIC RFCSMAC5RB-RG402-15-MF	EPIC RFCSMAC5RB-RG405-15
	7433507454	7433507459	7433507464	7433507469	7433507474	7433507479
2.0m	EPIC RFCSMAC5RB-RG58-20	EPIC RFCSMAC5RB-RG174-20	EPIC RFCSMAC5RB-RG316-20	EPIC RFCSMAC5RB-RG402-20-SF	EPIC RFCSMAC5RB-RG402-20-MF	EPIC RFCSMAC5RB-RG405-20
	7433507455	7433507460	7433507465	7433507470	7433507475	7433507480
3.0m	EPIC RFCSMAC5RB-RG58-30	EPIC RFCSMAC5RB-RG174-30	EPIC RFCSMAC5RB-RG316-30	EPIC RFCSMAC5RB-RG402-30-SF	EPIC RFCSMAC5RB-RG402-30-MF	EPIC RFCSMAC5RB-RG405-30
	7433507456	7433507461	7433507466	7433507471	7433507476	7433507481

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

SMA male to female connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-15, MIL-STD-348A/310, CECC 22110	IEC 60169-15, MIL-STD-348A/310, CECC 22110
Connector Type	SMA	SMA
Gender	Plug (male)	Jack (female)
Plug form	Straight	Straight
Insulation	PTFE	PTFE
Screw nut	Gold plated brass or brass with nickel plating	Gold plated brass or brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Gold plated brass	Gold plated brass
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold plated	Brass, CNC, Gold plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	Solder	Solder
Suitable cables	RG174, RG178,RG316,1.5DS	RG174, RG178,RG316,1.5DS
Durability	500 mating cycles	500 mating cycles

Electrical Data	
Impedance	50 Ω
Operating Frequency	3 GHz
Operating voltage	DC-3GHz max.
Impulse voltage	⩽ 100V
Voltage Standing Wave Ratio	800V
Insulation resistance	⩽ 1.40
Amplitude stability	＞1000MΩ
Attenuation Typical Value	0.07dB@100 MHz
	0.18 dB@400 MHz
	0.31 dB@1000 MHz
	0.56 dB@3000 MHz

Cable Data	
Center conductor	RG178, 7x0.16mm , Solid Bare Copper RG178, 7x0.16mm
Outer conductor	Bare copper wire
Dielectric	XLPE
Jacket	PVC
Cable outer diameter	2.8mm +/- 0.1
Capacitance	100 pF/m
Impedance	50 Ω +/- 2
Velocity of signal	0.66
Operating Frequency	3GHz max.
Operating voltage	＜100 kVrms (at sea level)
Test voltage	800Vrms (50 Hz/1 min)
Voltage Rating	30 V
Minimum bending radius	14mm

Environmental Data	
Temperature range	-20 °C ... +80 °C
Installation temperature	-20 °C... +60 °C
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F
Pollution degree	3
2011/65/EU (RoHS)	Yes

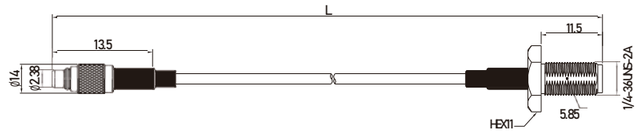
Ordering No.

length	RG174 cbale	RG178 cbale	RG316 cbale	1.5DS cbale
0.5m	EPIC RFCSMAC3LB-RG174-05	EPIC RFCSMAC3LB-RG178-05	EPIC RFCSMAC3LB-RG316-05	EPIC RFCSMAC3LB-1.5DS-05
	7433507482	7433507487	7433507492	7433507497
1.0m	EPIC RFCSMAC3LB-RG174-10	EPIC RFCSMAC3LB-RG178-10	EPIC RFCSMAC3LB-RG316-10	EPIC RFCSMAC3LB-1.5DS-10
	7433507483	7433507488	7433507493	7433507498
1.5m	EPIC RFCSMAC3LB-RG174-15	EPIC RFCSMAC3LB-RG178-15	EPIC RFCSMAC3LB-RG316-15	EPIC RFCSMAC3LB-1.5DS-15
	7433507484	7433507489	7433507494	7433507499
2.0m	EPIC RFCSMAC3LB-RG174-20	EPIC RFCSMAC3LB-RG178-20	EPIC RFCSMAC3LB-RG316-20	EPIC RFCSMAC3LB-1.5DS-20
	7433507485	7433507490	7433507495	7433507500
3.0m	EPIC RFCSMAC3LB-RG174-30	EPIC RFCSMAC3LB-RG178-30	EPIC RFCSMAC3LB-RG316-30	EPIC RFCSMAC3LB-1.5DS-30
	7433507486	7433507491	7433507496	7433507501

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

SMA female to MMCX straight connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-15, MIL-STD-348A/310, CECC 22110	IEC61169-52, CECC 22110
Connector Type	SMA	MMCX
Gender	Jack(female)	Plug (male)
Plug form	Straight	Straight
Insulation	PTFE	PTFE
Screw nut	Gold plated brass or brass with nickel plating	Gold plated brass or brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Gold plated brass	Gold plated brass
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold plated	Brass, CNC, Gold plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	Solder	Solder
Suitable cables	RG174/ RG178/ RG316/ 1.5DS	RG174/ RG178/ RG316/ 1.5DS
Durability	500 mating cycles	500 mating cycles

Electrical Data	
Impedance	50 Ω
Operating Frequency	6GHz
Operating voltage	⩽ 200V
Impulse voltage	100V
Voltage Standing Wave Ratio	⩽ 1.50
Insulation resistance	＞1000MΩ
Attenuation Typical Value (103mm)(103毫米)	0.15dB@100MHz
	0.24dB@400 MHz
	0.35dB@1000 MHz
	0.57dB@3000 MHz
	0.8dB@6000 MHz

Cable Data	
Center conductor	RG178, 7x0.102mm , Solid Copper with Silver plated
Outer conductor	Solid Copper with Silver plated， 90% braid coverage
Dielectric	FEP
Jacket	FEP
Cable outer diameter	1.8mm +/- 0.05
Capacitance	96 pF/m
Impedance	50 Ω +/- 2
Velocity of signal	0.7
Operating Frequency	6GHz max.
Operating voltage	＜100Vrms (at sea level)
Test voltage	0.5 KVrms (50 Hz/1 min)
Voltage Rating	30 V
Minimum bending radius	18mm

Environmental Data	
Temperature range	-55 °C ... +125 °C
Installation temperature	-20 °C... +80 °C
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F
Pollution degree	3
2011/65/EU (RoHS)	Yes

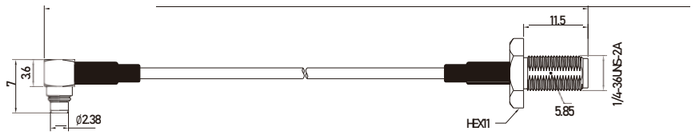
Ordering No.

length	1.5DS cbale	RG174 cbale	RG178 cbale	RG316 cbale
0.5m	EPIC RFCSMA-MMCXC3LB-1.5DS-05	EPIC RFCSMA-MMCXC3LB-RG174-05	EPIC RFCSMA-MMCXC3LB-RG178-05	EPIC RFCSMA-MMCXC3LB-RG316-05
	7433507502	7433507507	7433507512	7433507517
1.0m	EPIC RFCSMA-MMCXC3LB-1.5DS-10	EPIC RFCSMA-MMCXC3LB-RG174-10	EPIC RFCSMA-MMCXC3LB-RG178-10	EPIC RFCSMA-MMCXC3LB-RG316-10
	7433507503	7433507508	7433507513	7433507518
1.5m	EPIC RFCSMA-MMCXC3LB-1.5DS-15	EPIC RFCSMA-MMCXC3LB-RG174-15	EPIC RFCSMA-MMCXC3LB-RG178-15	EPIC RFCSMA-MMCXC3LB-RG316-15
	7433507504	7433507509	7433507514	7433507519
2.0m	EPIC RFCSMA-MMCXC3LB-1.5DS-20	EPIC RFCSMA-MMCXC3LB-RG174-20	EPIC RFCSMA-MMCXC3LB-RG178-20	EPIC RFCSMA-MMCXC3LB-RG316-20
	7433507505	7433507510	7433507515	7433507520
3.0m	EPIC RFCSMA-MMCXC3LB-1.5DS-30	EPIC RFCSMA-MMCXC3LB-RG174-30	EPIC RFCSMA-MMCXC3LB-RG178-30	EPIC RFCSMA-MMCXC3LB-RG316-30
	7433507506	7433507511	7433507516	7433507521

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

SMA female to MMCX connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-15, MIL-STD-348A/310, CECC 22110	IEC61169-52, CECC 22110
Connector Type	SMA	MMCX
Gender	Jack(female)	Plug (male)
Plug form	Straight	90° Right Angled
Insulation	PTFE	PTFE
Screw nut	Gold plated brass or brass with nickel plating	Gold plated brass or brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Gold plated brass	Gold plated brass
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold plated	Brass, CNC, Gold plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	solder	solder
Suitable cables	Semi-flex RG405,Maxflex RG405	Semi-flex RG405,Maxflex RG405
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC-6 GHz max.	
Operating voltage	</= 150V	
Impulse voltage	800V	
Voltage Standing Wave Ratio	⩽ 1.50	
Insulation resistance	＞1000MΩ	
Attenuation Typical Value	0.14 dB@100 MHz	
	0.21 dB@400 MHz	
	0.30 dB@1000 MHz	
	0.50 dB@3000 MHz	
	0.72 dB@6000 MHz	
Cable Data		
Center conductor	Maxflex RG405, 1x0.51mm , Solid Copper with Silver plated	
Outer conductor	Copper with Silver plated, 96% braid coverage	
Dielectric	PTFE	
Jacket	FEP	
Cable outer diameter	2.65mm +/- 0.15	
Impedance	50 Ω +/- 2	
Velocity of signal propagation	0.7	
Operating Frequency	DC~6 GH（z semi-flex RG405)、	
Operating voltage	＜150Vrms (at sea level)	
Test voltage	0.8 kVrms (50 Hz/1 min)	
Voltage Rating	150 V	
Minimum bending radius	20mm	
Environmental Data		
Temperature range	-55 °C ... +125 °C	
Installation temperature	-20 °C... +60 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

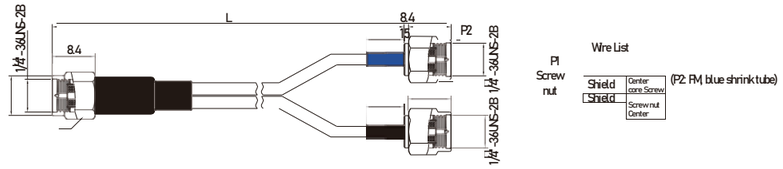
Ordering No.

length	Semi-flex RG405 cbale	Max-flex RG405 cbale
0.5m	EPIC RFCSMA-MMCXC3RLB-RG405-05-SF	EPIC RFCSMA-MMCXC3RLB-RG405-05-MF
	7433507522	7433507527
1.0m	EPIC RFCSMA-MMCXC3RLB-RG405-10-SF	EPIC RFCSMA-MMCXC3RLB-RG405-10-MF
	7433507523	7433507528
1.5m	EPIC RFCSMA-MMCXC3RLB-RG405-15-SF	EPIC RFCSMA-MMCXC3RLB-RG405-15-MF
	7433507524	7433507529
2.0m	EPIC RFCSMA-MMCXC3RLB-RG405-20-SF	EPIC RFCSMA-MMCXC3RLB-RG405-20-MF
	7433507525	7433507530
3.0m	EPIC RFCSMA-MMCXC3RLB-RG405-30-SF	EPIC RFCSMA-MMCXC3RLB-RG405-30-MF
	7433507526	7433507531

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

SMA male connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-15, MIL-STD-348A/310, CECC 22110	IEC 60169-15, MIL-STD-348A/310, CECC 22110
Connector Type	SMA	SMA
Gender	Plug (male)	Plug (male)
Plug form	Straight	Straight
Insulation	PTFE	PTFE
Screw nut	Gold plated brass or brass with nickel plating	Gold plated brass or brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Gold plated brass	Gold plated brass
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold plated	Brass, CNC, Gold plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	solder	solder
Suitable cables	RG174, RG178,RG316,1.5DS	RG174, RG178,RG316,1.5DS
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impulse voltage	800V	
Insulation resistance	＞1000MΩ	
Cable Data		
Centre conductor	RG316, 7x0.17mm , Solid Copper with Silver plated	
Outer conductor	Copper with Silver or Tin plated, 95% braid coverage	
Dielectric	FEP	
Jacket	FEP	
Cable outer diameter	2.5mm +/- 0.1	
Capacitance	95 pF/m	
Impedance	50 Ω +/- 2	
Velocity of signal propagation	0.7	
Operating voltage	＜100Vrms (at sea level)	
Test voltage	800Vrms (50 Hz/1 min)	
Voltage Rating	30 V	
Minimum bending radius	25mm	
Environmental Data		
Temperature range	-55 °C ... +125 °C	
Installation temperature	-20 °C... +60 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

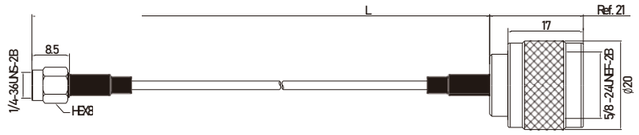
Ordering No.

length	RG174 cbale	RG178 cbale	RG316 cbale	1.5DS cbale
0.5m	EPIC RFCSMAC1LB-Y-SMAC5LB-RG174-05	EPIC RFCSMAC1LB-Y-SMAC5LB-RG178-05	EPIC RFCSMAC1LB-Y-SMAC5LB-RG316-05	EPIC RFCSMAC1LB-Y-SMAC5LB-1.5DS-05
	7433507532	7433507537	7433507542	7433507547
1.0m	EPIC RFCSMAC1LB-Y-SMAC5LB-RG174-10	EPIC RFCSMAC1LB-Y-SMAC5LB-RG178-10	EPIC RFCSMAC1LB-Y-SMAC5LB-RG316-10	EPIC RFCSMAC1LB-Y-SMAC5LB-1.5DS10
	7433507533	7433507538	7433507543	7433507548
1.5m	EPIC RFCSMAC1LB-Y-SMAC5LB-RG174-15	EPIC RFCSMAC1LB-Y-SMAC5LB-RG178-15	EPIC RFCSMAC1LB-Y-SMAC5LB-RG316-15	EPIC RFCSMAC1LB-Y-SMAC5LB-1.5DS-15
	7433507534	7433507539	7433507544	7433507549
2.0m	EPIC RFCSMAC1LB-Y-SMAC5LB-RG174-20	EPIC RFCSMAC1LB-Y-SMAC5LB-RG178-20	EPIC RFCSMAC1LB-Y-SMAC5LB-RG316-20	EPIC RFCSMAC1LB-Y-SMAC5LB-1.5DS-20
	7433507535	7433507540	7433507545	7433507550
3.0m	EPIC RFCSMAC1LB-Y-SMAC5LB-RG174-30	EPIC RFCSMAC1LB-Y-SMAC5LB-RG178-30	EPIC RFCSMAC1LB-Y-SMAC5LB-RG316-30	EPIC RFCSMAC1LB-Y-SMAC5LB-1.5DS-30
	7433507536	7433507541	7433507546	7433507551

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

SMA male to N male connector cable assembly



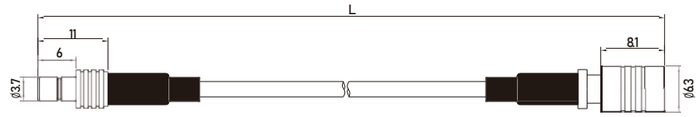
Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-15, MIL-STD-348A/310, CECC 22110	IEC 60169-17, MIL-STD-348A/313, CECC 22200
Connector Type	SMA	N
Gender	Plug (male)	Plug (male)
Plug form	Straight	Straight
Insulation	PTFE	PTFE
Screw nut	Stainless steel passivated finish	Stainless steel passivated finish
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Gold plated brass	Gold plated brass
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold plated	Brass, CNC, Gold plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	Solder	Solder
Suitable cables	SFT-142	SFT-142
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC-18 GHz max.	
Operating voltage	⩽ 200V	
Impulse voltage	1000V	
Voltage Standing Wave Ratio	⩽1.30	
Insulation resistance	＞1000MΩ	
Amplitude stability	±0.05 Db	
Attenuation Typical Value (1.22m)	1.25 dB@8GHz	
Cable Data		
Center conductor	SFT-142, 1x1.02mm Copper with Silver plated	
Outer conductor	Copper with Silver plated, 96% braid coverage	
Dielectric	PTFE	
Jacket	FEP	
Cable outer diameter	4.6mm +/- 0.10	
Impedance	50 Ω +/- 2	
Velocity of signal propagation	76	
Operating Frequency	18 GHz max.	
Operating voltage	＜200 Vrms (at sea level)	
Test voltage	1 kVrms (50 Hz/1 min)	
Voltage Rating	100 V	
Minimum bending radius	46mm	
Environmental Data		
Temperature range	-55 °C ... +125 °C	
Installation temperature	-20 °C... +60 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

Ordering No.	
length	SFT-142 cbale
0.5m	EPIC RFCSMA-NC5LS-SFT142-05
	7433507552
1.0m	EPIC RFCSMA-NC5LS-SFT142-10
	7433507553
1.5m	EPIC RFCSMA-NC5LS-SFT142-15
	7433507554
2.0m	EPIC RFCSMA-NC5LS-SFT142-20
	7433507555
3.0m	EPIC RFCSMA-NC5LS-SFT142-30
	7433507556

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

SMB male to female connector cable assembly



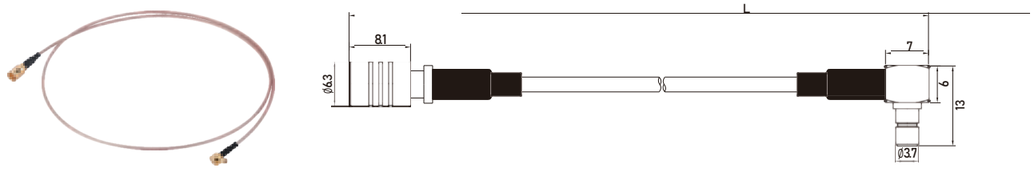
Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-15, MIL-STD-348A/310, CECC 22110	EC 60169-15.MIL-STD-348A/310.CECC 22110
Connector Type	SMB	SMB
Gender	Plug (male)	Jack (female)
Plug form	Straight	Straight
Insulation	PTFE	PTFE
Screw nut	None	None
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with gold plated	Brass with gold plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold or Nickl-plated	Brass, CNC, Gold or Nickl-plated
Gasket	None	None
Termination	Crimping	Crimping
Suitable cables	RG174/ RG178/ RG316/ 1.5DS	RG174/ RG178/ RG316/ 1.5DS
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC-6GHz max.	
Operating voltage	⩽ 100V	
Impulse voltage	800V	
Voltage Standing Wave Ratio	⩽ 1.50	
Insulation resistance	＞1000MΩ	
Attenuation Typical Value	0.35dB/m@100MHz	
	0.65dB/m@400 MHz	
	1.0dB/m@1000 MHz	
	1.8dB/m@3000 MHz	
	2.8dB/m@6000 MHz	
Cable Data		
Center conductor	RG316D, 7x0.17mm , Solid Copper with Silver plated	
Outer conductor	Solid Copper with Silver plated， 90% braid coverage	
Dielectric	FEP	
Jacket	FEP	
Cable outer diameter	2.9mm +/- 0.1	
Capacitance	95 pF/m	
Impedance	50 Ω +/- 2	
Velocity of signal	0.7	
Operating Frequency	6GHz max.	
Operating voltage	＜100Vrms (at sea level)	
Test voltage	0.5 KVrms (50 Hz/1 min)	
Voltage Rating	30 V	
Minimum bending radius	29mm	
Environmental Data		
Temperature range	-55 °C ... +125 °C	
Installation temperature	-20 °C... +80 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

Ordering No.				
length	1.5DS cbale	RG174 cbale	RG178 cbale	RG316 cbale
0.5m	EPIC RFCSMBC3LB-1.5DS-05	EPIC RFCSMBC3LB-RG174-05	EPIC RFCSMBC3LB-RG178-05	EPIC RFCSMBC3LB-RG316-05
	7433507557	7433507562	7433507567	7433507572
1.0m	EPIC RFCSMBC3LB-1.5DS-10	EPIC RFCSMBC3LB-RG174-10	EPIC RFCSMBC3LB-RG178-10	EPIC RFCSMBC3LB-RG316-10
	7433507558	7433507563	7433507568	7433507573
1.5m	EPIC RFCSMBC3LB-1.5DS-15	EPIC RFCSMBC3LB-RG174-15	EPIC RFCSMBC3LB-RG178-15	EPIC RFCSMBC3LB-RG316-15
	7433507559	7433507564	7433507569	7433507574
2.0m	EPIC RFCSMBC3LB-1.5DS-20	EPIC RFCSMBC3LB-RG174-20	EPIC RFCSMBC3LB-RG178-20	EPIC RFCSMBC3LB-RG316-20
	7433507560	7433507565	7433507570	7433507575
3.0m	EPIC RFCSMBC3LB-1.5DS-30	EPIC RFCSMBC3LB-RG174-30	EPIC RFCSMBC3LB-RG178-30	EPIC RFCSMBC3LB-RG316-30
	7433507561	7433507566	7433507571	7433507576

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

SMB male right angled to female connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-10, MIL-STD-348A/311, CECC 22130	IEC 60169-10, MIL-STD-348A/311, CECC 22130
Connector Type	SMB	SMB
Gender	Plug (male)	Jack (female)
Plug form	90° Right Angled	Straight
Insulation	PTFE	PTFE
Screw nut	None	None
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with gold plated	Brass with gold plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold or Nickl-plated	Brass, CNC, Gold or Nickl-plated
Gasket	None	None
Termination	Crimping	Crimping
Suitable cables	RG174/ RG178/ RG316/ 1.5DS	RG174/ RG178/ RG316/ 1.5DS
Durability	500 mating cycles	500 mating cycles

Electrical Data	
Impedance	50 Ω
Operating Frequency	DC-6GHz max.
Operating voltage	⩽ 100V
Impulse voltage	800V
Voltage Standing Wave Ratio	⩽ 1.50
Insulation resistance	＞1000MΩ
Attenuation Typical Value	0.35dB/m@100MHz
	0.65dB/m@400 MHz
	1.0dB/m@1000 MHz
	1.8dB/m@3000 MHz
	2.8dB/m@6000 MHz

Cable Data	
Center conductor	RG316D, 7x0.17mm , Solid Copper with Silver plated
Outer conductor	Solid Copper with Silver plated， 90% braid coverage
Dielectric	FEP
Jacket	FEP
Cable outer diameter	2.9mm +/- 0.1
Capacitance	95 pF/m
Impedance	50 Ω +/- 2
Velocity of signal	0.7
Operating Frequency	6GHz max.
Operating voltage	＜100Vrms (at sea level)
Test voltage	0.5 KVrms (50 Hz/1 min)
Voltage Rating	30 V
Minimum bending radius	29mm

Environmental Data	
Temperature range	-55 °C ... +125 °C
Installation temperature	-20 °C... +80 °C
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F
Pollution degree	3
2011/65/EU (RoHS)	Yes

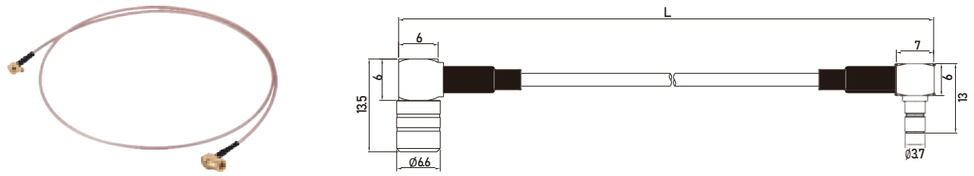
Ordering No.

length	1.5DS cbale	RG174 cbale	RG178 cbale	RG316 cbale
0.5m	EPIC RFCSMBC3RLB-1.5DS-05	EPIC RFCSMBC3RLB-RG174-05	EPIC RFCSMBC3RLB-RG178-05	EPIC RFCSMBC3RLB-RG316-05
	7433507577	7433507582	7433507587	7433507592
1.0m	EPIC RFCSMBC3RLB-1.5DS-10	EPIC RFCSMBC3RLB-RG174-10	EPIC RFCSMBC3RLB-RG178-10	EPIC RFCSMBC3RLB-RG316-10
	7433507578	7433507583	7433507588	7433507593
1.5m	EPIC RFCSMBC3RLB-1.5DS-15	EPIC RFCSMBC3RLB-RG174-15	EPIC RFCSMBC3RLB-RG178-15	EPIC RFCSMBC3RLB-RG316-15
	7433507579	7433507584	7433507589	7433507594
2.0m	EPIC RFCSMBC3RLB-1.5DS-20	EPIC RFCSMBC3RLB-RG174-20	EPIC RFCSMBC3RLB-RG178-20	EPIC RFCSMBC3RLB-RG316-20
	7433507580	7433507585	7433507590	7433507595
3.0m	EPIC RFCSMBC3RLB-1.5DS-30	EPIC RFCSMBC3RLB-RG174-30	EPIC RFCSMBC3RLB-RG178-30	EPIC RFCSMBC3RLB-RG316-30
	7433507581	7433507586	7433507591	7433507596

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

SMB male right angled to female right angled connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-10, MIL-STD-348A/311, CECC 22130	IEC 60169-10, MIL-STD-348A/311, CECC 22130
Connector Type	SMB	SMB
Gender	Plug (male)	Jack (female)
Plug form	90° Right Angled	90° Right Angled
Insulation	PTFE	PTFE
Screw nut	None	None
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with gold plated	Brass with gold plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold or Nickl-plated	Brass, CNC, Gold or Nickl-plated
Gasket	None	None
Termination	Crimping	Crimping
Suitable cables	RG174/ RG178/ RG316/ 1.5DS	RG174/ RG178/ RG316/ 1.5DS
Durability	500 mating cycles	500 mating cycles

Electrical Data	
Impedance	50 Ω
Operating Frequency	DC-6GHz max.
Operating voltage	⩽ 100V
Impulse voltage	800V
Voltage Standing Wave Ratio	⩽ 1.50
Insulation resistance	＞1000MΩ
Attenuation Typical Value	0.35dB/m@100MHz
	0.65dB/m@400 MHz
	1.0dB/m@1000 MHz
	1.8dB/m@3000 MHz
	2.8dB/m@6000 MHz

Cable Data	
Center conductor	RG316D, 7x0.17mm , Solid Copper with Silver plated
Outer conductor	Solid Copper with Silver plated， 90% braid coverage
Dielectric	FEP
Jacket	FEP
Cable outer diameter	2.9mm +/- 0.1
Capacitance	95 pF/m
Impedance	50 Ω +/- 2
Velocity of signal	0.7
Operating Frequency	6GHz max.
Operating voltage	＜100Vrms (at sea level)
Test voltage	0.5 KVrms (50 Hz/1 min)
Voltage Rating	30 V
Minimum bending radius	29mm

Environmental Data	
Temperature range	-55 °C ... +125 °C
Installation temperature	-20 °C... +80 °C
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F
Pollution degree	3
2011/65/EU (RoHS)	Yes

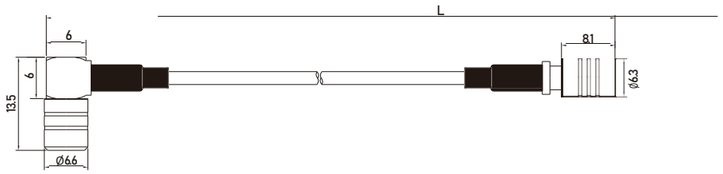
Ordering No.

length	1.5DS cbale	RG174 cbale	RG178 cbale	RG316 cbale
0.5m	EPIC RFCSMBC3RB-1.5DS-05	EPIC RFCSMBC3RB-RG174-05	EPIC RFCSMBC3RB-RG178-05	EPIC RFCSMBC3RB-RG316-05
	7433507597	7433507602	7433507607	7433507612
1.0m	EPIC RFCSMBC3RB-1.5DS-10	EPIC RFCSMBC3RB-RG174-10	EPIC RFCSMBC3RB-RG178-10	EPIC RFCSMBC3RB-RG316-10
	7433507598	7433507603	7433507608	7433507613
1.5m	EPIC RFCSMBC3RB-1.5DS-15	EPIC RFCSMBC3RB-RG174-15	EPIC RFCSMBC3RB-RG178-15	EPIC RFCSMBC3RB-RG316-15
	7433507599	7433507604	7433507609	7433507614
2.0m	EPIC RFCSMBC3RB-1.5DS-20	EPIC RFCSMBC3RB-RG174-20	EPIC RFCSMBC3RB-RG178-20	EPIC RFCSMBC3RB-RG316-20
	7433507600	7433507605	7433507610	7433507615
3.0m	EPIC RFCSMBC3RB-1.5DS-30	EPIC RFCSMBC3RB-RG174-30	EPIC RFCSMBC3RB-RG178-30	EPIC RFCSMBC3RB-RG316-30
	7433507601	7433507606	7433507611	7433507616

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

SMB female right angled to female connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-10, MIL-STD-348A/311, CECC 22130	IEC 60169-10, MIL-STD-348A/311, CECC 22130
Connector Type	SMB	SMB
Gender	Jack (female)	Jack (female)
Plug form	90° Right Angled	Straight
Insulation	PTFE	PTFE
Screw nut	None	None
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with gold plated	Brass with gold plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold or Nickl-plated	Brass, CNC, Gold or Nickl-plated
Gasket	None	None
Termination	Crimping	Crimping
Suitable cables	RG174/ RG178/ RG316/ 1.5DS	RG174/ RG178/ RG316/ 1.5DS
Durability	500 mating cycles	500 mating cycles

Electrical Data	
Impedance	50 Ω
Operating Frequency	DC-6GHz max.
Operating voltage	⩽ 100V
Impulse voltage	800V
Voltage Standing Wave Ratio	⩽ 1.50
Insulation resistance	＞1000MΩ
Attenuation Typical Value	0.35dB/m@100MHz
	0.65dB/m@400 MHz
	1.0dB/m@1000 MHz
	1.8dB/m@3000 MHz
	2.8dB/m@6000 MHz

Cable Data	
Center conductor	RG316D, 7x0.17mm , Solid Copper with Silver plated
Outer conductor	Solid Copper with Silver plated， 90% braid coverage
Dielectric	FEP
Jacket	FEP
Cable outer diameter	2.9mm +/- 0.1
Capacitance	95 pF/m
Impedance	50 Ω +/- 2
Velocity of signal	0.7
Operating Frequency	6GHz max.
Operating voltage	＜100Vrms (at sea level)
Test voltage	0.5 KVrms (50 Hz/1 min)
Voltage Rating	30 V
Minimum bending radius	29mm

Environmental Data	
Temperature range	-55 °C ... +125 °C
Installation temperature	-20 °C... +80 °C
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F
Pollution degree	3
2011/65/EU (RoHS)	Yes

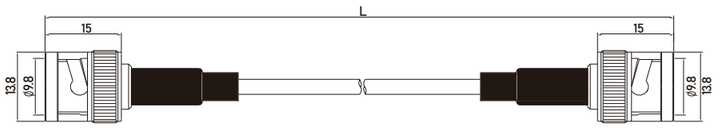
Ordering No.

length	1.5DS cbale	RG174 cbale	RG178 cbale	RG316 cbale
0.5m	EPIC RFCSMBC4RLB-1.5DS-05	EPIC RFCSMBC4RLB-RG174-05	EPIC RFCSMBC4RLB-RG178-05	EPIC RFCSMBC4RLB-RG316-05
	7433507617	7433507622	7433507627	7433507632
1.0m	EPIC RFCSMBC4RLB-1.5DS-10	EPIC RFCSMBC4RLB-RG174-10	EPIC RFCSMBC4RLB-RG178-10	EPIC RFCSMBC4RLB-RG316-10
	7433507618	7433507623	7433507628	7433507633
1.5m	EPIC RFCSMBC4RLB-1.5DS-15	EPIC RFCSMBC4RLB-RG174-15	EPIC RFCSMBC4RLB-RG178-15	EPIC RFCSMBC4RLB-RG316-15
	7433507619	7433507624	7433507629	7433507634
2.0m	EPIC RFCSMBC4RLB-1.5DS-20	EPIC RFCSMBC4RLB-RG174-20	EPIC RFCSMBC4RLB-RG178-20	EPIC RFCSMBC4RLB-RG316-20
	7433507620	7433507625	7433507630	7433507635
3.0m	EPIC RFCSMBC4RLB-1.5DS-30	EPIC RFCSMBC4RLB-RG174-30	EPIC RFCSMBC4RLB-RG178-30	EPIC RFCSMBC4RLB-RG316-30
	7433507621	7433507626	7433507631	7433507636

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

BNC male to male connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 61169-8, MIL-STD-348A/301, CECC 22120	IEC 61169-8, MIL-STD-348A/301, CECC 22120
Connector Type	BNC	BNC
Gender	Plug (male)	Plug (male)
Plug form	Straigh	Straigh
Insulation	PTFE	PTFE
Screw nut	Brass with nickel plating	Brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with nickel plated	Brass with nickel plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Nickl-plated	Brass, CNC, Nickl-plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	Crimping	Crimping
Suitable cables	RG174/ RG178/ RG316/ 1.5DS	RG174/ RG178/ RG316/ 1.5DS
Durability	500 mating cycles	500 mating cycles

Electrical Data	
Impedance	50 Ω
Operating Frequency	DC.-500MHz max.
Operating voltage	⩽ 100V
Impulse voltage	1000V
Voltage Standing Wave Ratio	⩽ 1.40
Insulation resistance	＞5000MΩ
Attenuation Typical Value	0.5dB/m@200MHz
	0.7dB/m@400 MHz
	0.8dB/m@500 MHz

Cable Data	
Center conductor	RG174, 7x0.16mm , Solid Bare Copper or with Tin plated
Outer conductor	Solid Bare Copper or with Tin plated， 80% braid coverage
Dielectric	LXPE
Jacket	PVC
Cable outer diameter	2.8mm +/- 0.10
Capacitance	100 pF/m
Impedance	50 Ω +/- 3
Velocity of signal	0.66
Operating Frequency	500MHz max.
Operating voltage	＜100Vrms (at sea level)
Test voltage	0.8 KVrms (50 Hz/1 min)
Voltage Rating	30 V
Minimum bending radius	14mm

Environmental Data	
Temperature range	-20 °C ... +80 °C
Installation temperature	-20 °C... +80 °C
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F
Pollution degree	3
2011/65/EU (RoHS)	Yes

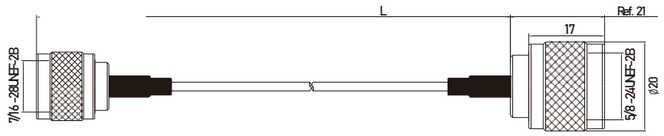
Ordering No.

length	1.5DS cbale	RG174 cbale	RG178 cbale	RG316 cbale
0.5m	EPIC RFCBNCC5LB-1.5DS-05	EPIC RFCBNCC5LB-RG174-05	EPIC RFCBNCC5LB-RG178-05	EPIC RFCBNCC5LB-RG316-05
	7433507637	7433507642	7433507647	7433507652
1.0m	EPIC RFCBNCC5LB-1.5DS-10	EPIC RFCBNCC5LB-RG174-10	EPIC RFCBNCC5LB-RG178-10	EPIC RFCBNCC5LB-RG316-10
	7433507638	7433507643	7433507648	7433507653
1.5m	EPIC RFCBNCC5LB-1.5DS-15	EPIC RFCBNCC5LB-RG174-15	EPIC RFCBNCC5LB-RG178-15	EPIC RFCBNCC5LB-RG316-15
	7433507639	7433507644	7433507649	7433507654
2.0m	EPIC RFCBNCC5LB-1.5DS-20	EPIC RFCBNCC5LB-RG174-20	EPIC RFCBNCC5LB-RG178-20	EPIC RFCBNCC5LB-RG316-20
	7433507640	7433507645	7433507650	7433507655
3.0m	EPIC RFCBNCC5LB-1.5DS-30	EPIC RFCBNCC5LB-RG174-30	EPIC RFCBNCC5LB-RG178-30	EPIC RFCBNCC5LB-RG316-30
	7433507641	7433507646	7433507651	7433507656

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

RP-TNC male to N male connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-15, MIL-STD-348A/310, CECC 22110	IEC 60169-15, MIL-STD-348A/310, CECC 22110
Connector Type	RP-TNC	N
Gender	Plug (male)	Plug (male)
Plug form	Straight	Straight
Insulation	PTFE	PTFE
Screw nut	Brass with nickel plating	Brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with nickel plated	Brass with nickel plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Nickl-plated	Brass, CNC, Nickl-plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	Crimping	Crimping
Suitable cables	LMR240/ RG58/ RG142/ RG174/ RG316/ LMR195	LMR240/ RG58/ RG142/ RG174/ RG316/ LMR195
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC.-3 GHz max.	
Operating voltage	⩽ 200V	
Impulse voltage	1000V	
Voltage Standing Wave Ratio	⩽ 1.50	
Insulation resistance	＞1000MΩ	
Attenuation Typical Value (1.7m)	0.15 dB@100 MHz 0.34 dB@400 MHz 0.56 dB@1000 MHz 1.05 dB@3000 MHz	
Cable Data		
Center conductor	LMR240, 1x1.42mm , Solid Bare Copper	
Outer conductor	Copper with Tin plated, 96% braid coverage	
Dielectric	FOAM PE	
Jacket	TPE	
Cable outer diameter	6.1mm +/- 0.15	
Capacitance	80 pF/m	
Impedance	50 Ω +/- 2	
Conductor DCR (Ohm/ km)	11.1	
Velocity of signal propagation	0.83	
Operating Frequency	3 GHz max.	
Operating voltage	＜200Vrms (at sea level)	
Test voltage	1.3 KVrms (50 Hz/1 min)	
Voltage Rating	200 V	
Minimum bending radius	61mm	
Environmental Data		
Temperature range	-40 °C ... +80 °C	
Installation temperature	-20 °C... +60 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
Halogen free	Yes	
2011/65/EU (RoHS)	Yes	

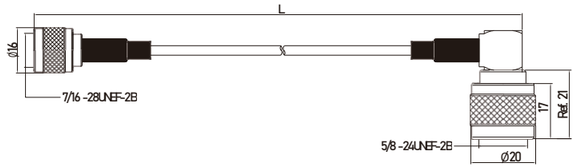
Ordering No.

length	LMR240 cbale	RG58 cbale	RG142 cbale	RG174 cbale	RG316 cbale	LMR195 cbale
0.5m	EPIC RFCTNCR-NC5LB-LMR240-05	EPIC RFCTNCR-NC5LB-RG58-05	EPIC RFCTNCR-NC5LB-RG142-05	EPIC RFCTNCR-NC5LB-RG174-05	EPIC RFCTNCR-NC5LB-RG316-05	EPIC RFCTNCR-NC5LB-LMR195-05
	7433507657	7433507662	7433507667	7433507672	7433507677	7433507682
1.0m	EPIC RFCTNCR-NC5LB-LMR240-10	EPIC RFCTNCR-NC5LB-RG58-10	EPIC RFCTNCR-NC5LB-RG142-10	EPIC RFCTNCR-NC5LB-RG174-10	EPIC RFCTNCR-NC5LB-RG316-10	EPIC RFCTNCR-NC5LB-LMR195-10
	7433507658	7433507663	7433507668	7433507673	7433507678	7433507683
1.5m	EPIC RFCTNCR-NC5LB-LMR240-15	EPIC RFCTNCR-NC5LB-RG58-15	EPIC RFCTNCR-NC5LB-RG142-15	EPIC RFCTNCR-NC5LB-RG174-15	EPIC RFCTNCR-NC5LB-RG316-15	EPIC RFCTNCR-NC5LB-LMR195-15
	7433507659	7433507664	7433507669	7433507674	7433507679	7433507684
2.0m	EPIC RFCTNCR-NC5LB-LMR240-20	EPIC RFCTNCR-NC5LB-RG58-20	EPIC RFCTNCR-NC5LB-RG142-20	EPIC RFCTNCR-NC5LB-RG174-20	EPIC RFCTNCR-NC5LB-RG316-20	EPIC RFCTNCR-NC5LB-LMR195-20
	7433507660	7433507665	7433507670	7433507675	7433507680	7433507685
3.0m	EPIC RFCTNCR-NC5LB-LMR240-30	EPIC RFCTNCR-NC5LB-RG58-30	EPIC RFCTNCR-NC5LB-RG142-30	EPIC RFCTNCR-NC5LB-RG174-30	EPIC RFCTNCR-NC5LB-RG316-30	EPIC RFCTNCR-NC5LB-LMR195-30
	7433507661	7433507666	7433507671	7433507676	7433507681	7433507686

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

RP-TNC male to N male right angled connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 61169-16, MIL-STD-348A/304, CECC 22210	IEC 61169-16, MIL-STD-348A/304, CECC 22210
Connector Type	RP-TNC	N
Gender	Plug (male)	Plug (male)
Plug form	Straight	90° Right Angled
Insulation	PTFE	PTFE
Screw nut	Brass with nickel plating	Brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with nickel plated	Brass with nickel plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Nickl-plated	Brass, CNC, Nickl-plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	Crimping	Crimping
Suitable cables	LMR240/ RG58/ RG142/ RG174/ RG316/ LMR195	LMR240/ RG58/ RG142/ RG174/ RG316/ LMR195
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC.-3 GHz max.	
Operating voltage	⩽ 200V	
Impulse voltage	1000V	
Voltage Standing Wave Ratio	⩽ 1.50	
Insulation resistance	＞1000MΩ	
Attenuation Typical Value (1.7m)	0.15 dB@100 MHz 0.34 dB@400 MHz 0.56 dB@1000 MHz 1.05 dB@3000 MHz	
Cable Data		
Center conductor	LMR240, 1x1.42mm , Solid Bare Copper	
Outer conductor	Copper with Tin plated, 96% braid coverage	
Dielectric	FOAM PE	
Jacket	TPE	
Cable outer diameter	6.1mm +/- 0.15	
Capacitance	80 pF/m	
Impedance	50 Ω +/- 2	
Conductor DCR (Ohm/ km)	11.1	
Velocity of signal propagation	0.83	
Operating Frequency	3 GHz max.	
Operating voltage	＜200Vrms (at sea level)	
Test voltage	1.3 KVrms (50 Hz/1 min)	
Voltage Rating	200 V	
Minimum bending radius	61mm	
Environmental Data		
Temperature range	-40 °C ... +80 °C	
Installation temperature	-20 °C... +60 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
Halogen free	Yes	
2011/65/EU (RoHS)	Yes	

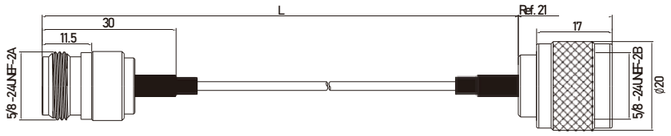
Ordering No.

length	LMR240 cbale	RG58 cbale	RG142 cbale	RG174 cbale	RG316 cbale	LMR195 cbale
0.5m	EPIC RFCTNCR-NC5LB-LMR240-05	EPIC RFCTNCR-NC5LB-RG58-05	EPIC RFCTNCR-NC5LB-RG142-05	EPIC RFCTNCR-NC5LB-RG174-05	EPIC RFCTNCR-NC5LB-RG316-05	EPIC RFCTNCR-NC5LB-LMR195-05
	7433507687	7433507692	7433507697	7433507702	7433507707	7433507712
1.0m	EPIC RFCTNCR-NC5LB-LMR240-10	EPIC RFCTNCR-NC5LB-RG58-10	EPIC RFCTNCR-NC5LB-RG142-10	EPIC RFCTNCR-NC5LB-RG174-10	EPIC RFCTNCR-NC5LB-RG316-10	EPIC RFCTNCR-NC5LB-LMR195-10
	7433507688	7433507693	7433507698	7433507703	7433507708	7433507713
1.5m	EPIC RFCTNCR-NC5LB-LMR240-15	EPIC RFCTNCR-NC5LB-RG58-15	EPIC RFCTNCR-NC5LB-RG142-15	EPIC RFCTNCR-NC5LB-RG174-15	EPIC RFCTNCR-NC5LB-RG316-15	EPIC RFCTNCR-NC5LB-LMR195-15
	7433507689	7433507694	7433507699	7433507704	7433507709	7433507714
2.0m	EPIC RFCTNCR-NC5LB-LMR240-20	EPIC RFCTNCR-NC5LB-RG58-20	EPIC RFCTNCR-NC5LB-RG142-20	EPIC RFCTNCR-NC5LB-RG174-20	EPIC RFCTNCR-NC5LB-RG316-20	EPIC RFCTNCR-NC5LB-LMR195-20
	7433507690	7433507695	7433507700	7433507705	7433507710	7433507715
3.0m	EPIC RFCTNCR-NC5LB-LMR240-30	EPIC RFCTNCR-NC5LB-RG58-30	EPIC RFCTNCR-NC5LB-RG142-30	EPIC RFCTNCR-NC5LB-RG174-30	EPIC RFCTNCR-NC5LB-RG316-30	EPIC RFCTNCR-NC5LB-LMR195-30
	7433507691	7433507696	7433507701	7433507706	7433507711	7433507716

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

N male to female connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 61169-16, MIL-STD-348A/304, CECC 22210	IEC 61169-16, MIL-STD-348A/304, CECC 22210
Connector Type	N	N
Gender	Plug (male)	Jack (female)
Plug form	Straight	Straight
Insulation	PTFE	PTFE
Screw nut	Brass with nickel plating	Brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with nickel plated	Brass with nickel plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Nickl-plated	Brass, CNC, Nickl-plated
Gasket	VMQ (Silicone rubber)	VMQ (Silicone rubber)
Termination	Crimping	Crimping
Suitable cables	LMR240/ RG58/ RG142/ RG174/ RG316/ LMR195	LMR240/ RG58/ RG142/ RG174/ RG316/ LMR195
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC.-6GHz max.	
Operating voltage	⩽ 200V	
Impulse voltage	1000V	
Voltage Standing Wave Ratio	⩽ 1.50	
Insulation resistance	＞1000MΩ	
Attenuation Typical Value (2m)	0.35 dB@100 MHz	
	0.92 dB@1000 MHz	
	1.63 dB@3000 MHz	
	2.55 dB@6000 MHz	
Cable Data		
Center conductor	LMR195, 1x0.94mm , Solid Bare Copper	
Outer conductor	Copper with Tin plated, 96% braid coverage	
Dielectric	FOAM PE	
Jacket	PVC	
Cable outer diameter	4.95mm +/- 0.15	
Capacitance	84 pF/m	
Impedance	50 Ω +/- 2	
Conductor DCR (Ohm/ km)	26.3	
Velocity of signal propagation	0.8	
Operating Frequency	3 GHz max.	
Operating voltage	＜200Vrms (at sea level)	
Test voltage	1 KVrms (50 Hz/1 min)	
Voltage Rating	200 V	
Minimum bending radius	50mm	
Environmental Data		
Temperature range	-40 °C ... +80 °C	
Installation temperature	-20 °C... +60 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

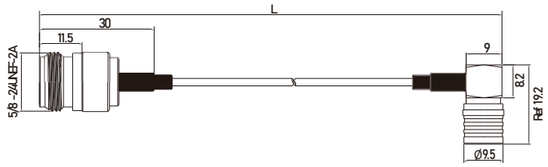
Ordering No.

length	LMR240 cbale	RG58 cbale	RG142 cbale	RG174 cbale	RG316 cbale	LMR195 cbale
0.5m	EPIC RFCNC3LB-LMR240-05	EPIC RFCNC3LB-RG58-05	EPIC RFCNC13B-RG142-05	EPIC RFCNC3LB-RG174-05	EPIC RFCNC3LB-RG316-05	EPIC RFCNC3LB-LMR195-05
	7433507717	7433507722	7433507727	7433507732	7433507737	7433507742
1.0m	EPIC RFCNC3LB-LMR240-10	EPIC RFCNC3LB-RG58-10	EPIC RFCNC3LB-RG142-10	EPIC RFCNC3LB-RG174-10	EPIC RFCNC3LB-RG316-10	EPIC RFCNC3LB-LMR195-10
	7433507718	7433507723	7433507728	7433507733	7433507738	7433507743
1.5m	EPIC RFCNC3LB-LMR240-15	EPIC RFCNC3LB-RG58-15	EPIC RFCNC3LB-RG142-15	EPIC RFCNC3LB-RG174-15	EPIC RFCNC3LB-RG316-15	EPIC RFCNC3LB-LMR195-15
	7433507719	7433507724	7433507729	7433507734	7433507739	7433507744
2.0m	EPIC RFCNC3LB-LMR240-20	EPIC RFCNC3LB-RG58-20	EPIC RFCNC3LB-RG142-20	EPIC RFCNC3LB-RG174-20	EPIC RFCNC3LB-RG316-20	EPIC RFCNC3LB-LMR195-20
	7433507720	7433507725	7433507730	7433507735	7433507740	7433507745
3.0m	EPIC RFCNC3LB-LMR240-30	EPIC RFCNC3LB-RG58-30	EPIC RFCNC3LB-RG142-30	EPIC RFCNC3LB-RG174-30	EPIC RFCNC3LB-RG316-30	EPIC RFCNC3LB-LMR195-30
	7433507721	7433507726	7433507731	7433507736	7433507741	7433507746

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

N female to QMA connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 61169-16, MIL-STD-348A/304, CECC 22210	QMA QLF compliant
Connector Type	N	QMA
Gender	Jack (female)	Plug (male)
Plug form	Straight	Right angle
Insulation	PTFE	PTFE
Screw nut	Brass with nickel plating	Brass with nickel plating
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with nickel plated	Brass with nickel plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Nickl-plated	Brass, CNC, Nickl-plated
Gasket	VMQ (Silicone rubber)	None
Termination	Crimping	Crimping
Suitable cables	RG58,RG142, LMR195	RG58,RG142, LMR195
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC.-6GHz max.	
Operating voltage	⩽ 200V	
Impulse voltage	1000V	
Voltage Standing Wave Ratio	⩽ 1.50	
Insulation resistance	＞1000MΩ	
Attenuation Typical Value (2m)	0.7dB/m@100MHz	
	1.0dB/m@400 MHz	
	3.5dB/m@6000 MHz	
Cable Data		
Center conductor	RG142,1x0.93mm , Solid Copper with Silver plated	
Outer conductor	Solid Copper with Silver plated ， 80% braid coverage	
Dielectric	FEP	
Jacket	FEP	
Cable outer diameter	4.95mm +/- 0.10	
Capacitance	95 pF/m	
Impedance	50 Ω +/- 3	
Velocity of signal propagation	0.7	
Operating Frequency	6GHz max.	
Operating voltage	＜200Vrms (at sea level)	
Test voltage	1 kVrms (50 Hz/1 min)	
Voltage Rating	200 V	
Minimum bending radius	50mm	
Environmental Data		
Temperature range	-55 °C ... +125 °C	
Installation temperature	-20 °C... +80 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

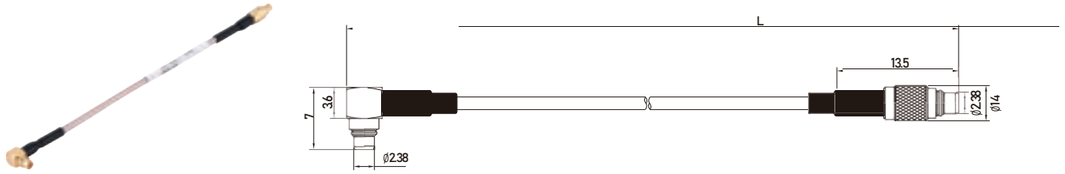
Ordering No.

length	RG58 cbale	RG142 cbale	LMR195 cbale
0.5m	EPIC QMA-NC5LB-RG58-05	EPIC QMA-NC5LB-RG142-05	EPIC QMA-NC5LB-LMR195-05
	7433507747	7433507752	7433507757
1.0m	EPIC QMA-NC5LB-RG58-10	EPIC QMA-NC5LB-RG142-10	EPIC QMA-NC5LB-LMR195-10
	7433507748	7433507753	7433507758
1.5m	EPIC QMA-NC5LB-RG58-15	EPIC QMA-NC5LB-RG142-15	EPIC QMA-NC5LB-LMR195-15
	7433507749	7433507754	7433507759
2.0m	EPIC QMA-NC5LB-RG58-20	EPIC QMA-NC5LB-RG142-20	EPIC QMA-NC5LB-LMR195-20
	7433507750	7433507755	7433507760
3.0m	EPIC QMA-NC5LB-RG58-30	EPIC QMA-NC5LB-RG142-30	EPIC QMA-NC5LB-LMR195-30
	7433507751	7433507756	7433507761

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

MMCX male to male connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC61169-52 , CECC 22110	IEC61169-52 , CECC 22110
Connector Type	MMCX	MMCX
Gender	Plug (male)	Plug (male)
Plug form	Right angle	Straight
Insulation	PTFE	PTFE
Screw nut	None	None
Center contacts	Brass with gold plated	Brass with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with gold plated	Brass with gold plated
Engage/disengage force	900g Max.	900g Max.
soldering ferrule	Brass, CNC, Gold or Nickl-plated	Brass, CNC, Gold or Nickl-plated
Gasket	None	None
Termination	Crimping	Crimping
Suitable cables	RG174/ RG178/ RG316/ 1.5DS	RG174/ RG178/ RG316/ 1.5DS
Durability	500 mating cycles	500 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC-6GHz max.	
Operating voltage	⩽ 200V	
Impulse voltage	100V	
Voltage Standing Wave Ratio	⩽ 1.50	
Insulation resistance	＞1000MΩ	
Attenuation Typical Value (103mm)	0.15dB@100MHz	
	0.24dB@400 MHz	
	0.35dB@1000 MHz	
	0.57dB@3000 MHz	
	0.8dB@6000 MHz	
Cable Data		
Centre conductor	RG178, 7x0.102mm , Solid Copper with Silver plated	
Outer conductor	Solid Copper with Silver plated， 90% braid coverage	
Dielectric	FEP	
Jacket	FEP	
Cable outer diameter	1.8mm +/- 0.05	
Capacitance	96 pF/m	
Impedance	50 Ω +/- 2	
Velocity of signal propagation	0.7	
Operating Frequency	6GHz max.	
Operating voltage	＜100Vrms (at sea level)	
Test voltage	0.5 KVrms (50 Hz/1 min)	
Voltage Rating	30 V	
Minimum bending radius	18mm	
Environmental Data		
Temperature range	-55 °C ... +125 °C	
Installation temperature	-20 °C... +80 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

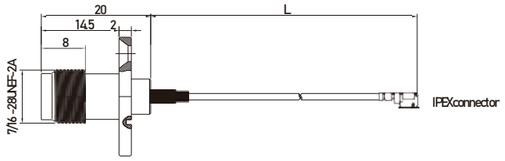
Ordering No.

length	1.5DS cbale	RG174 cbale	RG178 cbale	RG316 cbale
0.5m	EPIC RFCMMCXC5RLB-1.5DS-05	EPIC RFCMMCXC5RLB-RG174-05	EPIC RFCMMCXC5RLB-RG178-05	EPIC RFCMMCXC5RLB-RG316-05
	7433507762	7433507767	7433507772	7433507777
1.0m	EPIC RFCMMCXC5RLB-1.5DS-10	EPIC RFCMMCXC5RLB-RG174-10	EPIC RFCMMCXC5RLB-RG178-10	EPIC RFCMMCXC5RLB-RG316-10
	7433507763	7433507768	7433507773	7433507778
1.5m	EPIC RFCMMCXC5RLB-1.5DS-15	EPIC RFCMMCXC5RLB-RG174-15	EPIC RFCMMCXC5RLB-RG178-15	EPIC RFCMMCXC5RLB-RG316-15
	7433507764	7433507769	7433507774	7433507779
2.0m	EPIC RFCMMCXC5RLB-1.5DS-20	EPIC RFCMMCXC5RLB-RG174-20	EPIC RFCMMCXC5RLB-RG178-20	EPIC RFCMMCXC5RLB-RG316-20
	7433507765	7433507770	7433507775	7433507780
3.0m	EPIC RFCMMCXC5RLB-1.5DS-30	EPIC RFCMMCXC5RLB-RG174-30	EPIC RFCMMCXC5RLB-RG178-30	EPIC RFCMMCXC5RLB-RG316-30
	7433507766	7433507771	7433507776	7433507781

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

TNC female connector cable assembly



Connector Data	Connector 1	Connector 2
Reference standard	IEC 60169-17, MIL-STD-348A/313, CECC 22200	IEC 60169-17
Connector Type	TNC	I-PEX 20278-112R-13
Gender	Jack (female)	Plug
Plug form	Straight	Rigth angle
Insulation	PTFE	PBT
Screw nut	Brass with nickel plating / SUS 316 Stainless Steel	Phosphor bronze with gold plated or nickel plated
Center contacts	Brass with gold plated	Phosphor bronze with gold plated
Contact resistance	3 milliohms max.	3 milliohms max.
Outer contact	Brass with nickel plated	Phosphor bronze with gold plated
Engage/disengage force	900g Max.	300g Min.
soldering ferrule	Brass, CNC, Nickl-plated	Phosphor bronze with gold plated or nickel plated
Gasket	VMQ (Silicone rubber)	N/A
Termination	Solder+crimping+	Solder+crimping +
Suitable cables	RF1.13cable, RG137 cable,RG178 cable	RF1.13cable, RG137 cable,RG178 cable
Durability	200 mating cycles	200 mating cycles
Electrical Data		
Impedance	50 Ω	
Operating Frequency	DC-3GHz max.	
Operating voltage	⩽ 30V	
Impulse voltage	300V	
Voltage Standing Wave Ratio	⩽1.5	
Insulation resistance	＞50MΩ	
Attenuation Typical Value	0.05 dB@100 MHz	
	0.12 dB@400 MHz	
	0.22 dB@1000 MHz	
	0.45 dB@3000 MHz	
Cable Data		
Centre conductor	RF1.13, 7x0.08mm , Silver plated Copper Wire RF1.13, 7x0.08mm	
Outer conductor	Copper with Tin plated, 90% braid coverage	
Dielectric	FEP	
Jacket	FEP	
Cable outer diameter	1.13mm +/- 0.05	
Capacitance	98 pF/m	
Impedance	50 Ω +/- 2	
Velocity of signal propagation	0.7	
Operating Frequency	6 GHz max.	
Signal delay	4.72 ns/m	
Operating voltage	＜30Vrms (at sea level)	
Test voltage	300Vrms (50 Hz/1 min)	
Voltage Rating	30 V	
Minimum bending radius	10mm	
Environmental Data		
Temperature range	-55 °C ... +125 °C	
Installation temperature	-20 °C... +60 °C	
Flame propagation test	EN 60332-1-2, EN 50305, 9.1.2, IEC 60332-3-24, UL 1581 § 1100, CFR/JAR/CS Part 25 Appendix F	
Pollution degree	3	
2011/65/EU (RoHS)	Yes	

Ordering No.

length	Brass screw			Stainless Screw		
	RF1.13 cbale	RG137cbale	RG178cbale	RF1.13 cbale	RG137cbale	RG178cbale
0.5m	EPIC CXTNCC2LB-RF113-05-IPEX	EPIC EPIC CXTNCC2LB-RG137-05-IPEX	EPIC EPIC CXTNCC2LB-RG178-05-IPEX	EPIC CXTNCC2LS-RF113-05-IPEX	EPIC CXTNCC2LS-RG137-05-IPEX	EPIC CXTNCC2LS-RG178-05-IPEX
	7433507782	7433507787	7433507792	7433507797	7433507802	7433507807
1.0m	EPIC CXTNCC2LB-RF113-10-IPEX	EPIC EPIC CXTNCC2LB-RG137-10-IPEX	EPIC EPIC CXTNCC2LB-RG178-10-IPEX	EPIC CXTNCC2LS-RF113-10-IPEX	EPIC CXTNCC2LS-RG137-10-IPEX	EPIC CXTNCC2LS-RG178-10-IPEX
	7433507783	7433507788	7433507793	7433507798	7433507803	7433507808
1.5m	EPIC CXTNCC2LB-RF113-15-IPEX	EPIC EPIC CXTNCC2LB-RG137-15-IPEX	EPIC EPIC CXTNCC2LB-RG178-15-IPEX	EPIC CXTNCC2LS-RF113-15-IPEX	EPIC CXTNCC2LS-RG137-15-IPEX	EPIC CXTNCC2LS-RG178-15-IPEX
	7433507784	7433507789	7433507794	7433507799	7433507804	7433507809
2.0m	EPIC CXTNCC2LB-RF113-20-IPEX	EPIC EPIC CXTNCC2LB-RG137-20-IPEX	EPIC EPIC CXTNCC2LB-RG178-20-IPEX	EPIC CXTNCC2LS-RF113-20-IPEX	EPIC CXTNCC2LS-RG137-20-IPEX	EPIC CXTNCC2LS-RG178-20-IPEX
	7433507785	7433507790	7433507795	7433507800	7433507805	7433507810
3.0m	EPIC CXTNCC2LB-RF113-30-IPEX	EPIC EPIC CXTNCC2LB-RG137-30-IPEX	CXTNCC2LB-RF178-30-IPEX	EPIC CXTNCC2LS-RF113-30-IPEX	EPIC CXTNCC2LS-RG137-30-IPEX	EPIC CXTNCC2LS-RF178-30-IPEX
	7433507786	7433507791	7433507796	7433507801	7433507806	7433507811

Additional Information

Different connector types and the lengths of the cable assembly can be customized; The operating temperature of -55°C is feasible for static applications -55°C。

M5 Circular cable connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !
www.cableforce.cn

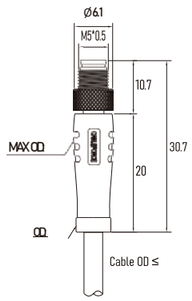
The Series M5 is specially developed for the miniature sensor market and any application that requires multiple sensors within a very small area. The product line offers 3 and 4 Pins cable cord-sets and a range of panel-mounted receptacles. All connectors are either factory PUR over-molded or panel receptacles supplied with sold-cup for wire connecting, PCB panel solder type is available.

M5
Circular cable connectors

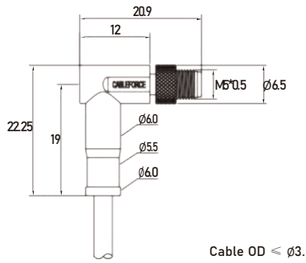
- Degree of protection IP 67
- 3, 4 poles are available
- TPU over-molded
- Cable length customized, PUR and PVC cable options
- Operating voltage 60V, current 1A

M5 A-Code male connector, molded cable, free end

180° Straight



90° Right Angled



Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5 x 0.5 screw / M5	
Tightening Torque	Recommend：0.1Nm，Max：0.15Nm	
Termination	Soldering	
Wire gauge	0.14mm²(AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤6mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF，Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

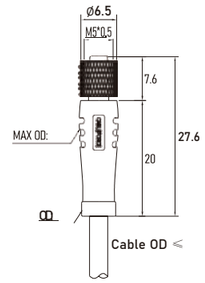
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MA03C1LSAB26CK10	EPIC MA03C1LSAB26RK10	EPIC MA03C1RSAB26CK10	EPIC MA03C1RSAB26RK10
		7433500355	7433500358	7433500361	7433500364
	2 m	EPIC MA03C1LSAB26CK20	EPIC MA03C1LSAB26RK20	EPIC MA03C1RSAB26CK20	EPIC MA03C1RSAB26RK20
		7433500356	7433500359	7433500362	7433500365
	3m	EPIC MA03C1LSAB26CK30	EPIC MA03C1LSAB26RK30	EPIC MA03C1RSAB26CK30	EPIC MA03C1RSAB26RK30
		7433500357	7433500360	7433500363	7433500366
4 Pin	1 m	EPIC MA04C1LSAB26CK10	EPIC MA04C1LSAB26RK10	EPIC MA04C1RSAB26CK10	EPIC MA04C1RSAB26RK10
		7433500367	7433500370	7433500373	7433500376
	2 m	EPIC MA04C1LSAB26CK20	EPIC MA04C1LSAB26RK20	EPIC MA04C1RSAB26CK20	EPIC MA04C1RSAB26RK20
		7433500368	7433500371	7433500374	7433500377
	3m	EPIC MA04C1LSAB26CK30	EPIC MA04C1LSAB26RK30	EPIC MA04C1RSAB26CK30	EPIC MA04C1RSAB26RK30
		7433500369	7433500372	7433500375	7433500378

Cable's Color Coding & Wiring

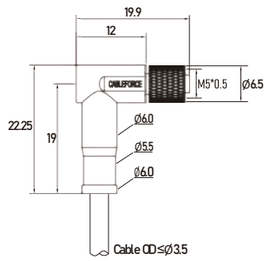
Poles & Wire Color / Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

M5 A-Code female connector, molded cable, free end

180° Straight



90° Right Angled



Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5 x 0.5 screw / M5	
Tightening Torque	Recommend：0.1Nm，Max：0.15Nm	
Termination	Soldering	
Wire gauge	0.14mm²(AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤6mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF，Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Phosphor Bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

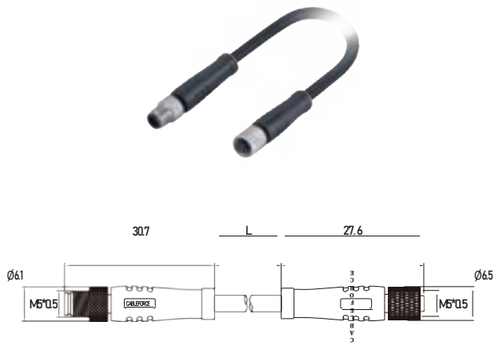
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MA03C2LSAB26CK10	EPIC MA03C2LSAB26RK10	EPIC MA03C2RSAB26CK10	EPIC MA03C2RSAB26RK10
		7433500379	7433500382	7433500385	7433500388
	2 m	EPIC MA03C2LSAB26CK20	EPIC MA03C2LSAB26RK20	EPIC MA03C2RSAB26CK20	EPIC MA03C2RSAB26RK20
		7433500380	7433500383	7433500386	7433500389
	3m	EPIC MA03C2LSAB26CK30	EPIC MA03C2LSAB26RK30	EPIC MA03C2RSAB26CK30	EPIC MA03C2RSAB26RK30
		7433500381	7433500384	7433500387	7433500390
4 Pin	1 m	EPIC MA04C2LSAB26CK10	EPIC MA04C2LSAB26RK10	EPIC MA04C2RSAB26CK10	EPIC MA04C2RSAB26RK10
		7433500391	7433500394	7433500397	7433500400
	2 m	EPIC MA04C2LSAB26CK20	EPIC MA04C2LSAB26RK20	EPIC MA04C2RSAB26CK20	EPIC MA04C2RSAB26RK20
		7433500392	7433500395	7433500398	7433500401
	3m	EPIC MA04C2LSAB26CK30	EPIC MA04C2LSAB26RK30	EPIC MA04C2RSAB26CK30	EPIC MA04C2RSAB26RK30
		7433500393	7433500396	7433500399	7433500402

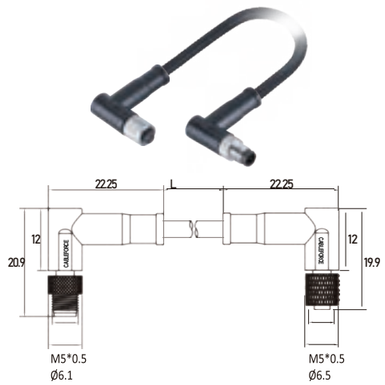
Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

M5 Connecting Cable

M5 A-Code, male to female, double ended, molded cable, Un-shielded





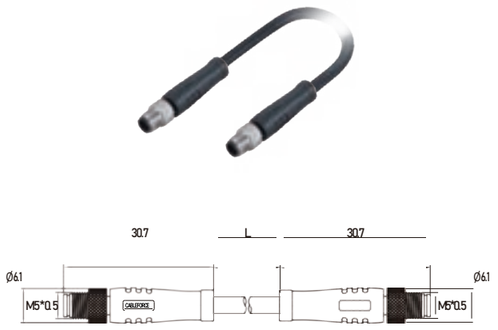
Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5 x 0.5 screw / M5	
Tightening Torque	Recommend：0.1Nm，Max：0.15Nm	
Termination	Soldering	
Cable specification	0.14mm²(AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤6mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Brass / Phosphor Bronze	
Contact plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protecton degree	IP67	
Pollution degree	3	

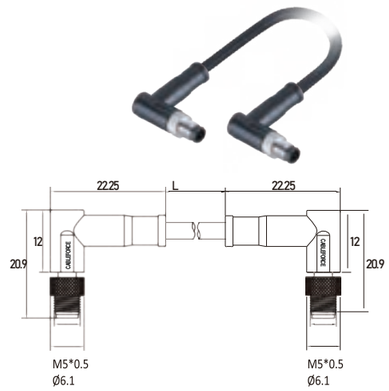
Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MA03C3LSAB26CK10	EPIC MA03C3LSAB26RK10	EPIC MA03C3RSAB26CK10	EPIC MA03C3RSAB26RK10
		7433500403	7433500406	7433500409	7433500412
	2 m	EPIC MA03C3LSAB26CK20	EPIC MA03C3LSAB26RK20	EPIC MA03C3RSAB26CK20	EPIC MA03C3RSAB26RK20
		7433500404	7433500407	7433500410	7433500413
	3m	EPIC MA03C3LSAB26CK30	EPIC MA03C3LSAB26RK30	EPIC MA03C3RSAB26CK30	EPIC MA03C3RSAB26RK30
		7433500405	7433500408	7433500411	7433500414
4 Pin	1 m	EPIC MA04C3LSAB26CK10	EPIC MA04C3LSAB26RK10	EPIC MA04C3RSAB26CK10	EPIC MA04C3RSAB26RK10
		7433500415	7433500418	7433500421	7433500424
	2 m	EPIC MA04C3LSAB26CK20	EPIC MA04C3LSAB26RK20	EPIC MA04C3RSAB26CK20	EPIC MA04C3RSAB26RK20
		7433500416	7433500419	7433500422	7433500425
	3m	EPIC MA04C3LSAB26CK30	EPIC MA04C3LSAB26RK30	EPIC MA04C3RSAB26CK30	EPIC MA04C3RSAB26RK30
		7433500417	7433500420	7433500423	7433500426

M5 Connecting Cable

M5 A-Code, male to male, double ended, molded cable, Un-shielded





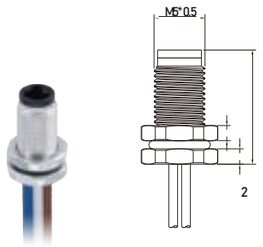
Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5 x 0.5 screw / M5	
Tightening Torque	Recommend：0.1Nm，Max：0.15Nm	
Termination	Soldering	
Cable specification	0.14mm²(AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤6mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Brass	
Contact plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protecton degree	IP67	
Pollution degree	3	

Ordering No.

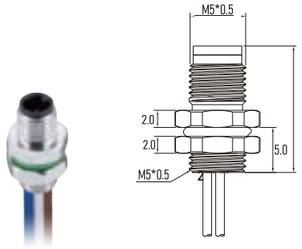
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MA03C5LSAB26CK10	EPIC MA03C5LSAB26RK10	EPIC MA03C5RSAB26CK10	EPIC MA03C5RSAB26RK10
		7433500427	7433500430	7433500433	7433500436
	2 m	EPIC MA03C5LSAB26CK20	EPIC MA03C5LSAB26RK20	EPIC MA03C5RSAB26CK20	EPIC MA03C5RSAB26RK20
		7433500428	7433500431	7433500434	7433500437
	3m	EPIC MA03C5LSAB26CK30	EPIC MA03C5LSAB26RK30	EPIC MA03C5RSAB26CK30	EPIC MA03C5RSAB26RK30
		7433500429	7433500432	7433500435	7433500438
4 Pin	1 m	EPIC MA04C5LSAB26CK10	EPIC MA04C5LSAB26RK10	EPIC MA04C5RSAB26CK10	EPIC MA04C5RSAB26RK10
		7433500439	7433500442	7433500445	7433500448
	2 m	EPIC MA04C5LSAB26CK20	EPIC MA04C5LSAB26RK20	EPIC MA04C5RSAB26CK20	EPIC MA04C5RSAB26RK20
		7433500440	7433500443	7433500446	7433500449
	3m	EPIC MA04C5LSAB26CK30	EPIC MA04C5LSAB26RK30	EPIC MA04C5RSAB26CK30	EPIC MA04C5RSAB26RK30
		7433500441	7433500444	7433500447	7433500450

M5 A-Code male panel connector, front/ rear mount, with single wires

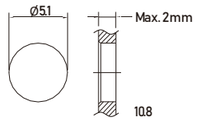
Front Fastened



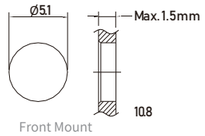
Rear Fastened



Recommended Panel Cut-out



Rear Mount v



Front Mount

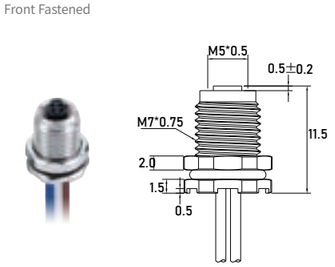
Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5 x 0.5 screw / M5	
Tightening Torque	Recommend：0.15Nm, Max：0.2Nm	
Termination	Soldering	
Wire gauge	0.14mm²(AWG 26)	
Rated temperature	Flexible/ –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽6mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF , Black	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.			
Poles	Wire length	Panel Front Side Fastening	Panel Rear Side Fastening
3 Pin	0.2 m	EPIC MA03P1LSAB-26W02	EPIC MA03P3LSAB-26W02
		7433505224	7433505227
	0.3 m	EPIC MA03P1LSAB-26W03	EPIC MA03P3LSAB-26W03
		7433505225	7433505228
	0.5 m	EPIC MA03P1LSAB-26W05	EPIC MA03P3LSAB-26W05
		7433505226	7433505229
4 Pin	0.2 m	EPIC MA04P1LSAB-26W02	EPIC MA04P3LSAB-26W02
		7433505230	7433505233
	0.3 m	EPIC MA04P1LSAB-26W03	EPIC MA04P3LSAB-26W03
		7433505231	7433505234
	0.5 m	EPIC MA04P1LSAB-26W05	EPIC MA04P3LSAB-26W05
		7433505232	7433505235

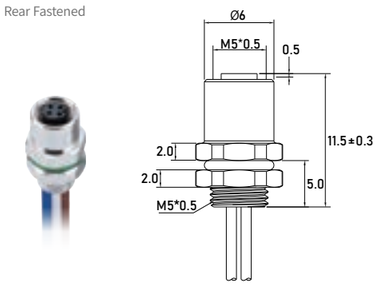
Wires' Color Coding		
Poles & Wire Color / Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

M5 A-Code female panel connector, front/ rear mount, with single wires

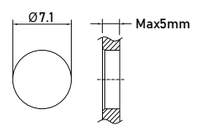
Front Fastened



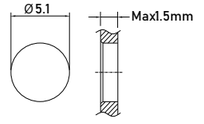
Rear Fastened



Recommended Panel Cut-out



Rear Mount



Front Mount

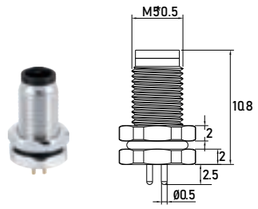
Connector Technical data		
Contacts No. Pin	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5 x 0.5 screw / M5	
Tightening Torque	Recommend：0.15Nm, Max：0.2Nm	
Termination	Soldering	
Wire gauge	0.14mm ² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽6mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.			
Poles	Wire length	Panel Front Side Fastening	Panel Rear Side Fastening
3 Pin	0.2 m	EPIC MA03P1LSAB-26W02	EPIC MA03P3LSAB-26W02
		7433505236	7433505239
	0.3 m	EPIC MA03P1LSAB-26W03	EPIC MA03P3LSAB-26W03
		7433505237	7433505240
	0.5 m	EPIC MA03P1LSAB-26W05	EPIC MA03P3LSAB-26W05
		7433505238	7433505241
4 Pin	0.2 m	EPIC MA04P1LSAB-26W02	EPIC MA04P3LSAB-26W02
		7433505242	7433505245
	0.3 m	EPIC MA04P1LSAB-26W03	EPIC MA04P3LSAB-26W03
		7433505243	7433505246
	0.5 m	EPIC MA04P1LSAB-26W05	EPIC MA04P3LSAB-26W05
		7433505244	7433505247

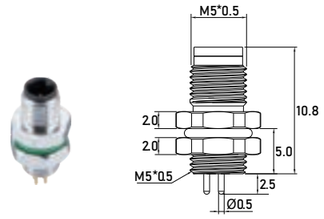
Wires' Color Coding		
Poles & Wire Color / Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

M5 A-Code male panel connector, front/ rear mount, with PCB Contacts

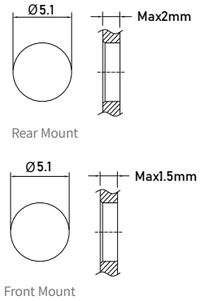
Front Fastened



Rear Fastened



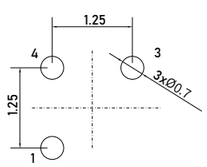
Recommended Panel Cut-out



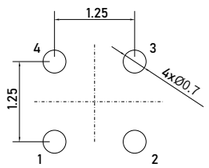
Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5 x 0.5 screw / M5	
Tightening Torque	Recommend：0.15Nm, Max：0.2Nm	
Termination	PCB Dip Soldering / PCB	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤6MΩ	
Over-molding	TPU	
Contact carrier	TPU + GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.		
Poles	Panel Front Side Fastening	Panel Rear Side Fastening
3Pin	EPIC MA03P1LPAB	EPIC MA03P3LPAB
	7433505248	7433505249
4Pin	EPIC MA04P1LPAB	EPIC MA04P3LPAB
	7433505250	7433505251

PCB Layout Reference



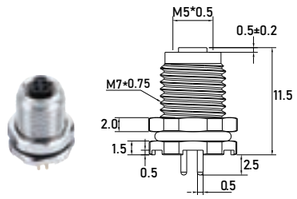
3P (Pin OD:Ø0.5)



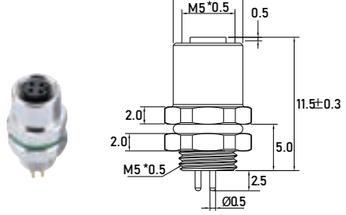
4P (Pin OD:Ø0.5)

M5 A-Code female panel connector, front/ rear mount, with PCB Contacts

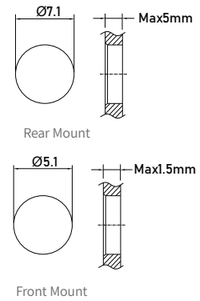
Front Fastened



Rear Fastened



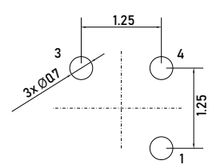
Recommended Panel Cut-out



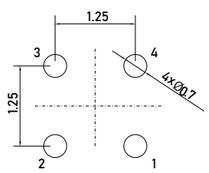
Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5 x 0.5 screw / M5	
Termination	Recommend：0.15Nm, Max：0.2Nm	
Tightening Torque	PCB Dip Soldering / PCB	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤6mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Phosphor Bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.		
Poles	Panel Front Side Fastening	Panel Rear Side Fastening
3 Pin	EPIC MA03P2LPAB	EPIC MA03P4LPAB
	7433505252	7433505253
4 Pin	EPIC MA04P2LPAB	EPIC MA04P4LPAB
	7433505254	7433505255

PCB Layout Reference



3P (Pin OD:Ø0.5)



4P (Pin OD:Ø0.5)

M8 Circular cable connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !
www.cableforce.cn

CABLEFORCE M8 series provides a wide range of metric M8 connectors for small sensors and actuators. Shielded is available and rated to IP 67, these connectors are ideally suited for industrial control networks where small sensors are required. Connectors are either factory TPU over-molded or panel receptacles supplied with sold-cup for wire connecting or with PCB panel solder contacts. Field attachable / mountable connector is also available for your choice.

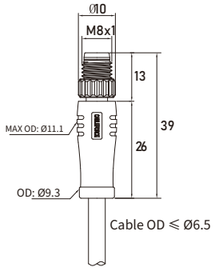
M8

Circular cable connectors

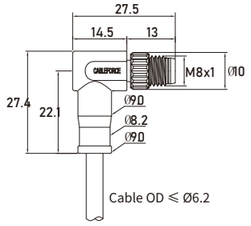
- 2+2P, 3P, 4P, 5P, 6P, 8P poles are available
- Operating voltage 60V, 30V, current 8A, 4A, 3A, 1A
- 360° EMC shielded version available
- Degree of protection IP 67
- TPU over molded or PA+GF shell
- Anti-vibration locking screw design
- Customized cable length, with PUR, PVC, TPE, LSZH, EtherNet cable options

M8 A-Code male connector, molded cable, free end

180° Straight



90° Right Angled



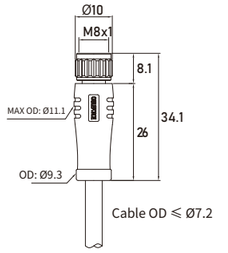
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference	IEC 61076-2-104				
Rated current	3A	3A	1.5A		
Rated voltage	60V	30V	30V		
Impulse voltage	1500V	500V			
Locking system	M8x 1.0 screw M8				
Tightening	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Wire gauge	0.25mm² (AWG 24)		0.14mm² (AWG 26)		
Rated	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C				
Insulation	⩾100MΩ				
Contact	⩽5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection	IP67, IP68				
Pollution degree	3				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C1LSAB24CK20	EPIC MB03C1LSAB24RK20	EPIC MB03C1RSAB24CK20	EPIC MB03C1RSAB24RK20
		7433500451	7433500453	7433500455	7433500457
	5 m	EPIC MB03C1LSAB24CK50	EPIC MB03C1LSAB24RK50	EPIC MB03C1RSAB24CK50	EPIC MB03C1RSAB24RK50
		7433500452	7433500454	7433500456	7433500458
4 Pin	2 m	EPIC MB04C1LSAB24CK20	EPIC MB04C1LSAB24RK20	EPIC MB04C1RSAB24CK20	EPIC MB04C1RSAB24RK20
		7433500459	7433500461	7433500463	7433500465
	5 m	EPIC MB04C1LSAB24CK50	EPIC MB04C1LSAB24RK50	EPIC MB04C1RSAB24CK50	EPIC MB04C1RSAB24RK50
		7433500460	7433500462	7433500464	7433500466
5 Pin	2 m	EPIC MB05C1LSBB24CK20	EPIC MB05C1LSBB24RK20	EPIC MB05C1RSBB24CK20	EPIC MB05C1RSBB24RK20
		7433500467	7433500469	7433500471	7433500473
	5 m	EPIC MB05C1LSBB24CK50	EPIC MB05C1LSBB24RK50	EPIC MB05C1RSBB24CK50	EPIC MB05C1RSBB24RK50
		7433500468	7433500470	7433500472	7433500474
6 Pin	2 m	EPIC MB06C1LSAB26CK20	EPIC MB06C1LSAB26RK20	EPIC MB06C1RSAB26CK20	EPIC MB06C1RSAB26RK20
		7433500475	7433500477	7433500479	7433500481
	5 m	EPIC MB06C1LSAB26CK50	EPIC MB06C1LSAB26RK50	EPIC MB06C1RSAB26CK50	EPIC MB06C1RSAB26RK50
		7433500476	7433500478	7433500480	7433500482
8 Pin	2 m	EPIC MB08C1LSAB26CK20	EPIC MB08C1LSAB26RK20	EPIC MB08C1RSAB26CK20	EPIC MB08C1RSAB26RK20
		7433500483	7433500485	7433500487	7433500489
	5 m	EPIC MB08C1LSAB26CK50	EPIC MB08C1LSAB26RK50	EPIC MB08C1RSAB26CK50	EPIC MB08C1RSAB26RK50
		7433500484	7433500486	7433500488	7433500490

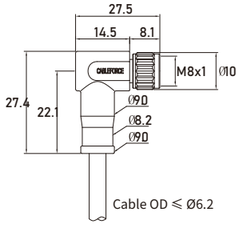
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

M8 A-Code female connector, molded cable, free end

180° Straight



90° Right Angled



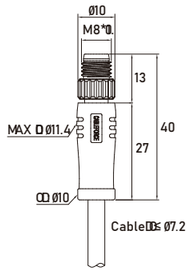
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw M8				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Wire gauge	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C				
Insulation resistance	⩾100MΩ				
Contact resistance	⩽5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C2LSAB24CK20	EPIC MB03C2LSAB24RK20	EPIC MB03C2RSAB24CK20	EPIC MB03C2RSAB24RK20
		7433500491	7433500493	7433500495	7433500497
	5 m	EPIC MB03C2LSAB24CK50	EPIC MB03C2LSAB24RK50	EPIC MB03C2RSAB24CK50	EPIC MB03C2RSAB24RK50
		7433500492	7433500494	7433500496	7433500498
4 Pin	2 m	EPIC MB04C2LSAB24CK20	EPIC MB04C2LSAB24RK20	EPIC MB04C2RSAB24CK20	EPIC MB04C2RSAB24RK20
		7433500499	7433500501	7433500503	7433500505
	5 m	EPIC MB04C2LSAB24CK50	EPIC MB04C2LSAB24RK50	EPIC MB04C2RSAB24CK50	EPIC MB04C2RSAB24RK50
		7433500500	7433500502	7433500504	7433500506
5 Pin	2 m	EPIC MB05C2LSBB24CK20	EPIC MB05C2LSBB24RK20	EPIC MB05C2RSBB24CK20	EPIC MB05C2RSBB24RK20
		7433500507	7433500509	7433500511	7433500513
	5 m	EPIC MB05C2LSBB24CK50	EPIC MB05C2LSBB24RK50	EPIC MB05C2RSBB24CK50	EPIC MB05C2RSBB24RK50
		7433500508	7433500510	7433500512	7433500514
6 Pin	2 m	EPIC MB06C2LSAB26CK20	EPIC MB06C2LSAB26RK20	EPIC MB06C2RSAB26CK20	EPIC MB06C2RSAB26RK20
		7433500515	7433500517	7433500519	7433500521
	5 m	EPIC MB06C2LSAB26CK50	EPIC MB06C2LSAB26RK50	EPIC MB06C2RSAB26CK50	EPIC MB06C2RSAB26RK50
		7433500516	7433500518	7433500520	7433500522
8 Pin	2 m	EPIC MB08C2LSAB26CK20	EPIC MB08C2LSAB26RK20	EPIC MB08C2RSAB26CK20	EPIC MB08C2RSAB26RK20
		7433500523	7433500525	7433500527	7433500529
	5 m	EPIC MB08C2LSAB26CK50	EPIC MB08C2LSAB26RK50	EPIC MB08C2RSAB26CK50	EPIC MB08C2RSAB26RK50
		7433500524	7433500526	7433500528	7433500530

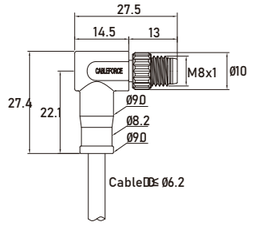
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

M8 A-Code male connector, molded cable, 360° EMI-Shielded, free end

80° Straight



90° Right Angled



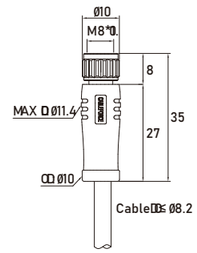
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8x 1.0 screw M8				
Tightening Torque	Recommend：0.2Nm，Max：0.4Nm				
Termination	Soldering				
Wire gauge	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C1LSASB24CK20	EPIC MB03C1LSASB24RK20	EPIC MB03C1RSASB24CK20	EPIC MB03C1RSASB24RK20
		7433500531	7433500533	7433500535	7433500537
	5 m	EPIC MB03C1LSASB24CK50	EPIC MB03C1LSASB24RK50	EPIC MB03C1RSASB24CK50	EPIC MB03C1RSASB24RK50
		7433500532	7433500534	7433500536	7433500538
4 Pin	2 m	EPIC MB04C1LSASB24CK20	EPIC MB04C1LSASB24RK20	EPIC MB04C1RSASB24CK20	EPIC MB04C1RSASB24RK20
		7433500539	7433500541	7433500543	7433500545
	5 m	EPIC MB04C1LSASB24CK50	EPIC MB04C1LSASB24RK50	EPIC MB04C1RSASB24CK50	EPIC MB04C1RSASB24RK50
		7433500540	7433500542	7433500544	7433500546
5 Pin	2 m	EPIC MB05C1LSBSB24CK20	EPIC MB05C1LSBSB24RK20	EPIC MB05C1RSBSB24CK20	EPIC MB05C1RSBSB24RK20
		7433500547	7433500549	7433500551	7433500553
	5 m	EPIC MB05C1LSBSB24CK50	EPIC MB05C1LSBSB24RK50	EPIC MB05C1RSBSB24CK50	EPIC MB05C1RSBSB24RK50
		7433500548	7433500550	7433500552	7433500554
6 Pin	2 m	EPIC MB06C1LSASB26CK20	EPIC MB06C1LSASB26RK20	EPIC MB06C1RSASB26CK20	EPIC MB06C1RSASB26RK20
		7433500555	7433500557	7433500559	7433500561
	5 m	EPIC MB06C1LSASB26CK50	EPIC MB06C1LSASB26RK50	EPIC MB06C1RSASB26CK50	EPIC MB06C1RSASB26RK50
		7433500556	7433500558	7433500560	7433500562
8 Pin	2 m	EPIC MB08C1LSASB26CK20	EPIC MB08C1LSASB26RK20	EPIC MB08C1RSASB26CK20	EPIC MB08C1RSASB26RK20
		7433500563	7433500565	7433500567	7433500569
	5 m	EPIC MB08C1LSASB26CK50	EPIC MB08C1LSASB26RK50	EPIC MB08C1RSASB26CK50	EPIC MB08C1RSASB26RK50
		7433500564	7433500566	7433500568	7433500570

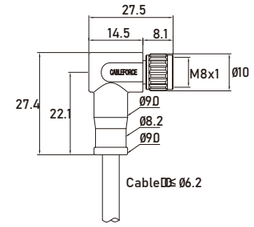
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD
Shell					Braid

M8 A-Code female connector, molded cable, 360° EMI-Shielded, free end

180° Straight



90° Right Angled



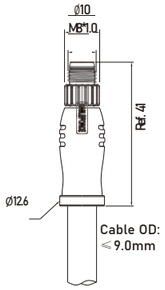
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw M8				
Tightening Torque	Recommend：0.2Nm，Max：0.4Nm				
Termination	Soldering				
Wire gauge	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C2LSASB24CK20	EPIC MB03C2LSASB24RK20	EPIC MB03C2RSASB24CK20	EPIC MB03C2RSASB24RK20
		7433500571	7433500573	7433500575	7433500577
	5 m	EPIC MB03C2LSASB24CK50	EPIC MB03C2LSASB24RK50	EPIC MB03C2RSASB24CK50	EPIC MB03C2RSASB24RK50
		7433500572	7433500574	7433500576	7433500578
4 Pin	2 m	EPIC MB04C2LSASB24CK20	EPIC MB04C2LSASB24RK20	EPIC MB04C2RSASB24CK20	EPIC MB04C2RSASB24RK20
		7433500579	7433500581	7433500583	7433500585
	5 m	EPIC MB04C2LSASB24CK50	EPIC MB04C2LSASB24RK50	EPIC MB04C2RSASB24CK50	EPIC MB04C2RSASB24RK50
		7433500580	7433500582	7433500584	7433500586
5 Pin	2 m	EPIC MB05C2LSBSB24CK20	EPIC MB05C2LSBSB24RK20	EPIC MB05C2RSBSB24CK20	EPIC MB05C2RSBSB24RK20
		7433500587	7433500589	7433500591	7433500593
	5 m	EPIC MB05C2LSBSB24CK50	EPIC MB05C2LSBSB24RK50	EPIC MB05C2RSBSB24CK50	EPIC MB05C2RSBSB24RK50
		7433500588	7433500590	7433500592	7433500594
6 Pin	2 m	EPIC MB06C2LSASB26CK20	EPIC MB06C2LSASB26RK20	EPIC MB06C2RSASB26CK20	EPIC MB06C2RSASB26RK20
		7433500595	7433500597	7433500599	7433500601
	5 m	EPIC MB06C2LSASB26CK50	EPIC MB06C2LSASB26RK50	EPIC MB06C2RSASB26CK50	EPIC MB06C2RSASB26RK50
		7433500596	7433500598	7433500600	7433500602
8 Pin	2 m	EPIC MB08C2LSASB26CK20	EPIC MB08C2LSASB26RK20	EPIC MB08C2RSASB26CK20	EPIC MB08C2RSASB26RK20
		7433500603	7433500605	7433500607	7433500609
	5 m	EPIC MB08C2LSASB26CK50	EPIC MB08C2LSASB26RK50	EPIC MB08C2RSASB26CK50	EPIC MB08C2RSASB26RK50
		7433500604	7433500606	7433500608	7433500610

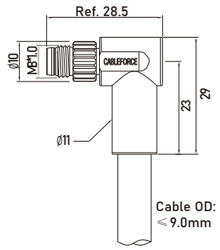
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD
Shell	Braid				

M8 Male Connector, Molded Cable, Big Model , Free End

180° Straight



90° Right Angled



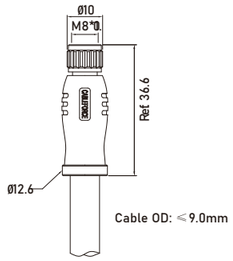
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A	1A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V			500V	
Locking system	M8 x 1.0mm screw M8				
Tightening torque	Recommended：0.2 Nm，Max：0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm² (24AWG)0.14mm² (26AWG)			0.14mm² (AWG 26)	
Cable outlet	Max. 9.0mm				
Rated termperature	Flexible : -25 ~ 80℃; Static : -40 ~ 80℃				
Insulation resistance	＞100MΩ				
Contact resistance	＜5mΩ				
Over-molding	TPU				
Contacts carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contacts	Brass ()				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC EPIC MB03C1LSASBXL-24CK20	EPIC EPIC MB03C1LSASBXL-24RK20	EPIC MB03C1RSASBXL-24CK20	EPIC MB03C1RSASBXL-24RK20
		7433500611	7433500613	7433500615	7433500617
	5 m	EPIC EPIC MB03C1LSASBXL-24CK50	EPIC EPIC MB03C1LSASBXL-24RK50	EPIC MB03C1RSASBXL-24CK50	EPIC MB03C1RSASBXL-24RK50
		7433500612	7433500614	7433500616	7433500618
4 Pin	2 m	EPIC MB04C1LSASBXL-24CK20	EPIC MB04C1LSASBXL-24RK20	EPIC MB04C1RSASBXL-24CK20	EPIC MB04C1RSASBXL-24RK20
		7433500619	7433500621	7433500623	7433500625
	5 m	EPIC MB04C1LSASBXL-24CK50	EPIC MB04C1LSASBXL-24RK50	EPIC MB04C1RSASBXL-24CK50	EPIC MB04C1RSASBXL-24RK50
		7433500620	7433500622	7433500624	7433500626
5 Pin	2 m	EPIC MB05C1LSBSBXL-24CK20	EPIC MB05C1LSBSBXL-24RK20	EPIC MB05C1RSBSBXL-24CK20	EPIC MB05C1RSBSBXL-24RK20
		7433500627	7433500629	7433500631	7433500633
	5 m	EPIC MB05C1LSBSBXL-24CK50	EPIC MB05C1LSBSBXL-24RK50	EPIC MB05C1RSBSBXL-24CK50	EPIC MB05C1RSBSBXL-24RK50
		7433500628	7433500630	7433500632	7433500634
6 Pin	2 m	EPIC MB06C1LSASBXL-26CK20	EPIC MB06C1LSASBXL-26RK20	EPIC MB06C1RSASBXL-26CK20	EPIC MB06C1RSASBXL-26RK20
		7433500635	7433500637	7433500639	7433500641
	5 m	EPIC MB06C1LSASBXL-26CK50	EPIC MB06C1LSASBXL-26RK50	EPIC MB06C1RSASBXL-26CK50	EPIC MB06C1RSASBXL-26RK50
		7433500636	7433500638	7433500640	7433500642
8 Pin	2 m	EPIC MB08C1LSASBXL-26CK20	EPIC MB08C1LSASBXL-26RK20	EPIC MB08C1RSASBXL-26CK20	EPIC MB08C1RSASBXL-26RK20
		7433500643	7433500645	7433500647	7433500649
	5 m	EPIC MB08C1LSASBXL-26CK50	EPIC MB08C1LSASBXL-26RK50	EPIC MB08C1RSASBXL-26CK50	EPIC MB08C1RSASBXL-26RK50
		7433500644	7433500646	7433500648	7433500650

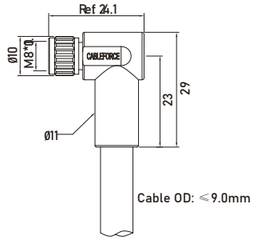
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD
Shell	Braid				

M8 Female Connector, Molded Cable, Big Model , Free End

180° Straight



90° Right Angled



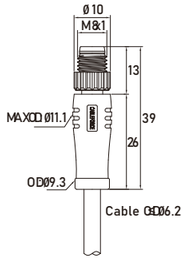
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A		1A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0mm screw M8				
Tightening torque	Recommended：0.2 Nm，Max：0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm² (24AWG)0.14mm² (26AWG)			0.14mm² (AWG 26)	
Cable outlet	Max. 9.0mm				
Rated termperature	Flexible : -25 ~ 80℃; Static : -40 ~ 80℃				
Insulation resistance	＞100MΩ				
Contact resistance	＜5mΩ				
Over-molding	TPU				
Contacts carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contacts	Phosphor bronze ()				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C2LSASBXL-24CK20	EPIC MB03C2LSASBXL-24RK20	EPIC MB03C2RSASBXL-24CK20	EPIC MB03C2RSASBXL-24RK20
		7433500651	7433500653	7433500655	7433500657
	5 m	EPIC MB03C2LSASBXL-24CK50	EPIC MB03C2LSASBXL-24RK50	EPIC MB03C2RSASBXL-24CK50	EPIC MB03C2RSASBXL-24RK50
		7433500652	7433500654	7433500656	7433500658
4 Pin	2 m	EPIC MB04C2LSASBXL-24CK20	EPIC MB04C2LSASBXL-24RK20	EPIC MB04C2RSASBXL-24CK20	EPIC MB04C2RSASBXL-24RK20
		7433500659	7433500661	7433500663	7433500665
	5 m	EPIC MB04C2LSASBXL-24CK50L	EPIC MB04C2LSASBXL-24RK50	EPIC MB04C2RSASBXL-24CK50	EPIC MB04C2RSASBXL-24RK50
		7433500660	7433500662	7433500664	7433500666
5 Pin	2 m	EPIC MB05C2LSBSBXL-24CK20	EPIC MB05C2LSBSBXL-24RK20	EPIC MB05C2RSBSBXL-24CK20	EPIC MB05C2RSBSBXL-24RK20
		7433500667	7433500669	7433500671	7433500673
	5 m	EPIC MB05C2LSBSBXL-24CK50	EPIC MB05C2LSBSBXL-24RK50	EPIC MB05C2RSBSBXL-24CK50	EPIC MB05C2RSBSBXL-24RK50
		7433500668	7433500670	7433500672	7433500674
6 Pin	2 m	EPIC MB06C2LSASBXL-26CK20	EPIC MB06C2LSASBXL-26RK20	EPIC MB06C2RSASBXL-26CK20	EPIC MB06C2RSASBXL-26RK20
		7433500675	7433500677	7433500679	7433500681
	5 m	EPIC MB06C2LSASBXL-26CK50	EPIC MB06C2LSASBXL-26RK50	EPIC MB06C2RSASBXL-26CK50	EPIC MB06C2RSASBXL-26RK50
		7433500676	7433500678	7433500680	7433500682
8 Pin	2 m	EPIC MB08C2LSASBXL-26CK20	EPIC MB08C2LSASBXL-26RK20	EPIC MB08C2RSASBXL-26CK20	EPIC MB08C2RSASBXL-26RK20
		7433500683	7433500685	7433500687	7433500689
	5 m	EPIC MB08C2LSASBXL-26CK50	EPIC MB08C2LSASBXL-26RK50	EPIC MB08C2RSASBXL-26CK50	EPIC MB08C2RSASBXL-26RK50
		7433500684	7433500686	7433500688	7433500690

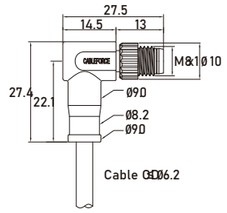
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD
Shell	Braid				

M8 Male Connector, Molded Cable, Plastic Screws, Free End

180° Straight



90° Right Angled



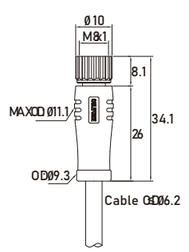
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0mm screw M8				
Tightening torque	Recommended：0.2 Nm，Max：0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm² (24AWG)0.14mm² (26AWG)			0.14mm² (AWG 26)	
Rated termperature	Flexible : -25 ~ 80℃; Static : -40 ~ 80℃				
Insulation resistance	＞100MΩ				
Contact resistance	＜5mΩ				
Over-molding	TPU				
Contacts carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contacts	Brass ()				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C1LSAP-24CK20	EPIC MB03C1LSAP-24RK20	EPIC MB03C1RSAP-24CK20	EPIC MB03C1RSAP-24RK20
		7433500691	7433500693	7433500695	7433500697
	5 m	EPIC MB03C1LSAP-24CK50	EPIC MB03C1LSAP-24RK50	EPIC MB03C1RSAP-24CK50	EPIC MB03C1RSAP-24RK50
		7433500692	7433500694	7433500696	7433500698
4 Pin	2 m	EPIC MB04C1LSAP-24CK20	EPIC MB04C1LSAP-24RK20	EPIC MB04C1RSAP-24CK20	EPIC MB04C1RSAP-24RK20
		7433500699	7433500701	7433500703	7433500705
	5 m	EPIC MB04C1LSAP-24CK50	EPIC MB04C1LSAP-24RK50	EPIC MB04C1RSAP-24CK50	EPIC MB04C1RSAP-24RK50
		7433500700	7433500702	7433500704	7433500706
5 Pin	2 m	EPIC MB05C1LSBP-24CK20	EPIC MB05C1LSBP-24RK20	EPIC MB05C1RSBP-24CK20	EPIC MB05C1RSBP-24RK20
		7433500707	7433500709	7433500711	7433500713
	5 m	EPIC MB05C1LSBP-24CK50	EPIC MB05C1LSBP-24RK50	EPIC MB05C1RSBP-24CK50	EPIC MB05C1RSBP-24RK50
		7433500708	7433500710	7433500712	7433500714
6 Pin	2 m	EPIC MB06C1LSAP-26CK20	EPIC MB06C1LSAP-26RK20	EPIC MB06C1RSAP-26CK20	EPIC MB06C1RSAP-26RK20
		7433500715	7433500717	7433500719	7433500721
	5 m	EPIC MB06C1LSAP-26CK50	EPIC MB06C1LSAP-26RK50	EPIC MB06C1RSAP-26CK50	EPIC MB06C1RSAP-26RK50
		7433500716	7433500718	7433500720	7433500722
8 Pin	2 m	EPIC MB08C1LSAP-26CK20	EPIC MB08C1LSAP-26RK20	EPIC MB08C1RSAP-26CK20	EPIC MB08C1RSAP-26RK20
		7433500723	7433500725	7433500727	7433500729
	5 m	EPIC MB08C1LSAP-26CK50	EPIC MB08C1LSAP-26RK50	EPIC MB08C1RSAP-26CK50	EPIC MB08C1RSAP-26RK50
		7433500724	7433500726	7433500728	7433500730

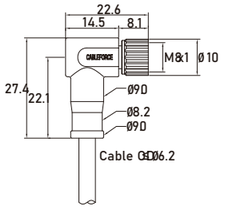
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

M8 Female Connector, Molded Cable, Plastic Screws, Free End

180° Straight



90° Right Angled



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0mm screw M8				
Tightening torque	Recommended：0.2 Nm，Max：0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm² (24AWG)0.14mm² (26AWG)			0.14mm² (AWG 26)	
Rated termperature	Flexible : -25 ~ 80℃; Static : -40 ~ 80℃				
Insulation resistance	＞100MΩ				
Contact resistance	＜5mΩ				
Over-molding	TPU				
Contacts carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contacts	Phosphor bronze ()				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Non-Shielded				

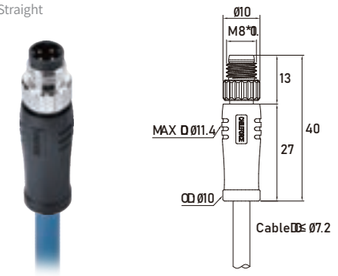
Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C2LSAP-24CK20	EPIC MB03C2LSAP-24RK20	EPIC MB03C2RSAP-24CK20	EPIC MB03C2RSAP-24RK20
		7433500731	7433500733	7433500735	7433500737
	5 m	EPIC MB03C2LSAP-24CK50	EPIC MB03C2LSAP-24RK50	EPIC MB03C2RSAP-24CK50	EPIC MB03C2RSAP-24RK50
		7433500732	7433500734	7433500736	7433500738
4 Pin	2 m	EPIC MB04C2LSAP-24CK20	EPIC MB04C2LSAP-24RK20	EPIC MB04C2RSAP-24CK20	EPIC MB04C2RSAP-24RK20
		7433500739	7433500741	7433500743	7433500745
	5 m	EPIC MB04C2LSAP-24CK50	EPIC MB04C2LSAP-24RK50	EPIC MB04C2RSAP-24CK50	EPIC MB04C2RSAP-24RK50
		7433500740	7433500742	7433500744	7433500746
5 Pin	2 m	EPIC MB05C2LSBP-24CK20	EPIC MB05C2LSBP-24RK20	EPIC MB05C2RSBP-24CK20	EPIC MB05C2RSBP-24RK20
		7433500747	7433500749	7433500751	7433500753
	5 m	EPIC MB05C2LSBP-24CK50	EPIC MB05C2LSBP-24RK50	EPIC MB05C2RSBP-24CK50	EPIC MB05C2RSBP-24RK50
		7433500748	7433500750	7433500752	7433500754
6 Pin	2 m	EPIC MB06C2LSAP-26CK20	EPIC MB06C2LSAP-26RK20	EPIC MB06C2RSAP-26CK20	EPIC MB06C2RSAP-26RK20
		7433500755	7433500757	7433500759	7433500761
	5 m	EPIC MB06C2LSAP-26CK50	EPIC MB06C2LSAP-26RK50	EPIC MB06C2RSAP-26CK50	EPIC MB06C2RSAP-26RK50
		7433500756	7433500758	7433500760	7433500762
8 Pin	2 m	EPIC MB08C2LSAP-26CK20	EPIC MB08C2LSAP-26RK20	EPIC MB08C2RSAP-26CK20	EPIC MB08C2RSAP-26RK20
		7433500763	7433500765	7433500767	7433500769
	5 m	EPIC MB08C2LSAP-26CK50	EPIC MB08C2LSAP-26RK50	EPIC MB08C2RSAP-26CK50	EPIC MB08C2RSAP-26RK50
		7433500764	7433500766	7433500768	7433500770

Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN BN		BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

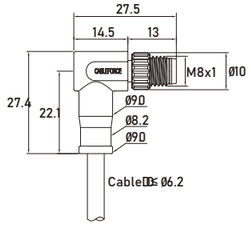
M8 D-Code, Shielded

M8 Male Connector, Molded Cable, 360° EMI-shielded, Free End

180° Straight



90° Right Angled



Connector Technical data		
Contacts No. Pin	4Pin	
Front View		
Reference standard	IEC 61076-2-114	
Rated current	4A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M8 x 1.0mm screw M8	
Tightening torque	Recommended: 0.2 Nm, Max: 0.4 Nm	
Termination	Soldering	
Wire gauge	0.34~0.14mm² (22~26AWG)	
Rated termperature	Flexible : -25 ~ 80℃; Static : -40 ~ 80℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts Pin	Brass ()	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	
EMC Shielding	Shielded	

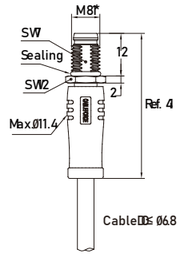
Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1 m	EPIC MB04C1LSDSB-22CG10-PFN	EPIC MB04C1LSDSB-22RG10-PFN	EPIC MB04C1RSDSB-22CG10-PFN	EPIC MB04C1RSDSB-22RG10-PFN
		7433500771	7433500776	7433500781	7433500786
	2 m	EPIC MB04C1LSDSB-22CG20-PFN	EPIC MB04C1LSDSB-22RG20-PFN	EPIC MB04C1RSDSB-22CG20-PFN	EPIC MB04C1RSDSB-22RG20-PFN
		7433500772	7433500777	7433500782	7433500787
	3 m	EPIC MB04C1LSDSB-22CG30-PFN	EPIC MB04C1LSDSB-22RG30-PFN	EPIC MB04C1RSDSB-22CG30-PFN	EPIC MB04C1RSDSB-22RG30-PFN
		7433500773	7433500778	7433500783	7433500788
	5 m	EPIC MB04C1LSDSB-22CG50-PFN	EPIC MB04C1LSDSB-22RG50-PFN	EPIC MB04C1RSDSB-22CG50-PFN	EPIC MB04C1RSDSB-22RG50-PFN
		7433500774	7433500779	7433500784	7433500789
	10 m	EPIC MB04C1LSDSB-22CG100-PFN	EPIC MB04C1LSDSB-22RG100-PFN	EPIC MB04C1RSDSB-22CG100-PFN	EPIC MB04C1RSDSB-22RG100-PFN
		7433500775	7433500780	7433500785	7433500790

Cable's Color Coding & Wiring		
Poles & Wire Color Pin		
Pin 1	YE	WH/OR
Pin 2	WH	WH/GN
Pin 3	OR	OR
Pin 4	BU	GN
Shell	Braid	Braid

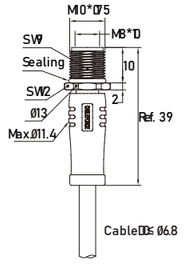
M8 Panel Mount Connector, Molded with Cable

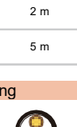
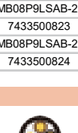
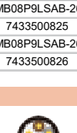
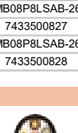
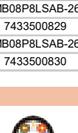
M8 Panel Mount Connectors, Molded Cable, Free End

Male



Female



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A		1A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0mm screw M8				
Tightening torque	Recommended: 0.2 Nm, Max: 0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm² (24AWG)0.14mm² (26AWG)				0.14mm² (AWG 26)
Rated termperature	Flexible : -25 ~ 80℃; Static : -40 ~ 80℃				
Insulation resistance	＞100MΩ				
Contact resistance	＜5mΩ				
Over-molding	TPU				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Bras（s ）/ Phosphor bronze ()				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Non-Shielded				

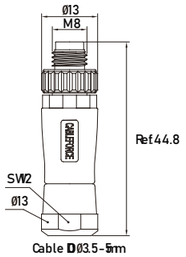
Ordering No.					
Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03P9LSAB-24CK20	EPIC MB03P9LSAB-24RK20	EPIC MB03P8LSAB-24CK20	EPIC MB03P8LSAB-24RK20
		7433500791	7433500793	7433500795	7433500797
	5 m	EPIC MB03P9LSAB-24CK50	EPIC MB03P9LSAB-24RK50	EPIC MB03P8LSAB-24CK50	EPIC MB03P8LSAB-24RK50
		7433500792	7433500794	7433500796	7433500798
4 Pin	2 m	EPIC MB04P9LSAB-24CK20	EPIC MB04P9LSAB-24RK20	EPIC MB04P8LSAB-24CK20	EPIC MB04P8LSAB-24RK20
		7433500799	7433500801	7433500803	7433500805
	5 m	EPIC MB04P9LSAB-24CK50	EPIC MB04P9LSAB-24RK50	EPIC MB04P8LSAB-24CK50	EPIC MB04P8LSAB-24RK50
		7433500800	7433500802	7433500804	7433500806
5 Pin	2 m	EPIC MB05P9LSBB-24CK20	EPIC MB05P9LSBB-24RK20	EPIC MB05P8LSBB-24CK20	EPIC MB05P8LSBB-24RK20
		7433500807	7433500809	7433500811	7433500813
	5 m	EPIC MB05P9LSBB-24CK50	EPIC MB05P9LSBB-24RK50	EPIC MB05P8LSBB-24CK50	EPIC MB05P8LSBB-24RK50
		7433500808	7433500810	7433500812	7433500814
6 Pin	2 m	EPIC MB06P9LSAB-26CK20	EPIC MB06P9LSAB-26RK20	EPIC MB06P8LSAB-26CK20	EPIC MB06P8LSAB-26RK20
		7433500815	7433500817	7433500819	7433500821
	5 m	EPIC MB06P9LSAB-26CK50	EPIC MB06P9LSAB-26RK50	EPIC MB06P8LSAB-26CK50	EPIC MB06P8LSAB-26RK50
		7433500816	7433500818	7433500820	7433500822
8 Pin	2 m	EPIC MB08P9LSAB-26CK20	EPIC MB08P9LSAB-26RK20	EPIC MB08P8LSAB-26CK20	EPIC MB08P8LSAB-26RK20
		7433500823	7433500825	7433500827	7433500829
	5 m	EPIC MB08P9LSAB-26CK50	EPIC MB08P9LSAB-26RK50	EPIC MB08P8LSAB-26CK50	EPIC MB08P8LSAB-26RK50
		7433500824	7433500826	7433500828	7433500830

Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN BN		BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

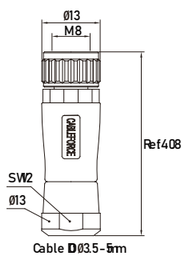
M8 A-Code

M8 Male/ Female, Field Wireable Connector

Male



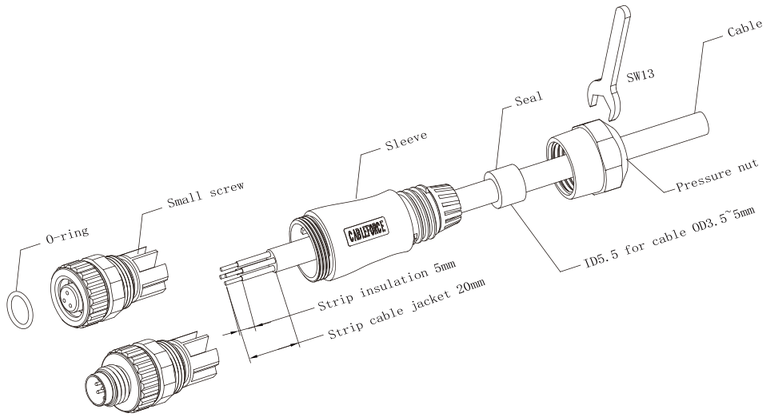
Female



Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference standard	IEC 61076-2-104	
Rated current	3A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M8 x 1.0mm screw M8	
Tightening torque	Recommended: 0.2Nm, Max: 0.4Nm, Wire screw: 0.1Nm, Cable gland: 0.3~0.8Nm	
Termination	Screw fixing	
Wire gauge	0.25~0.34mm² (AWG24~22)	
Cable outlet	3.5~5mm	
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Connector body	PA6	
Contacts carrier	PA6	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Brass	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67	
Pollution degree	3	
EMC Shielding	Non-Shielded	

Ordering No.		
Poles	Male	Female
3 Pin	EPIC MB03A1LWAB	EPIC EPIC MB03A2LWAB
	7433506951	7433506953
4 Pin	EPIC MB04A1LWAB	EPIC MB03A2LWAB
	7433506952	7433506954

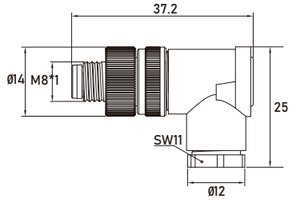
Assembly Instruction



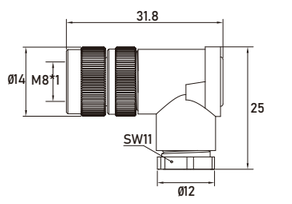
M8 Field Wire-able Connector

M8 Male/ Female, Field Wireable Connector, Right Angled

Male



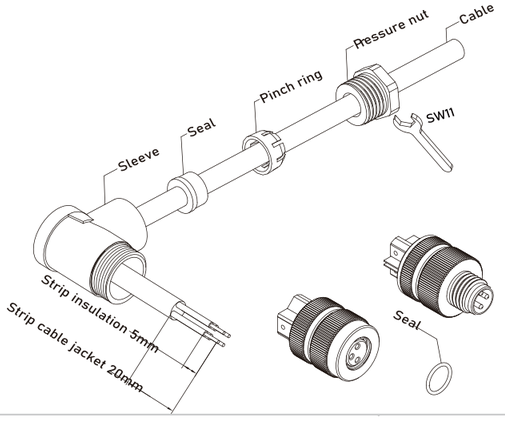
Female



Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference standard	IEC 61076-2-104	
Rated current	3A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M8 x 1.0mm screw M8	
Tightening torque	Recommended: 0.2Nm, Max: 0.4Nm, Wire screw: 0.1Nm, Cable gland : 0.3~0.8Nm	
Termination	Screw fixing	
Wire gauge	0.34~0.14mm² (AWG22~26)	
Cable outlet	3.5~5mm	
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Connector body	PA6	
Contacts carrier	PA6	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Male: Brass , Female: Phosphor bronze	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67	
Pollution degree	3	
EMC Shielding	UN-Shielded	

Ordering No.		
Poles	Male	Female
3 Pin	EPIC MB03A1RWAB	EPIC MB03A2RWAB
	7433506955	7433506956
4 Pin	EPIC MB04A1RWAB	EPIC MB04A2RWAB
	7433506957	7433506958

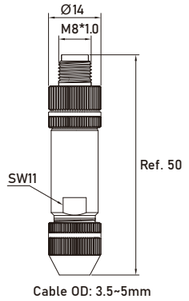
Assembly Instruction



M8 A-Code

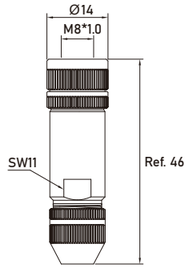
M8 Male/ Female, Field Wireable Connector, EMI-Shielded

Male



Cable OD: 3.5~5mm

Female

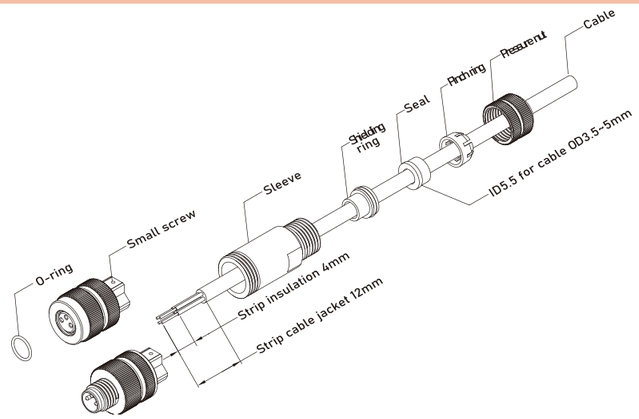


Cable OD: 3.5~5mm

Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-104	
Rated current	3A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M8 x 1.0 screw / M8	
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm, Wire screw : 0.1Nm, Cable gland: 0.3~0.8Nm	
Termination	Screw fixing	
Wire gauge	0.34~0.14mm² (AWG 24~22)	
Cable outlet	3.5~5mm	
Rated temperature	–25 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤ 5mΩ	
Connector body	Brass, CNC, nickel-plated	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ NBR	
Protection degree	IP67	
Pollution degree	3	

Ordering No.			
Poles		Male	Female
3 Pin		EPIC MB03A1LWASB	EPIC MB03A2LWASB
		7433506959	7433506960
4 Pin		EPIC MB04A1LWASB	EPIC MB04A2LWASB
		7433506961	7433506962

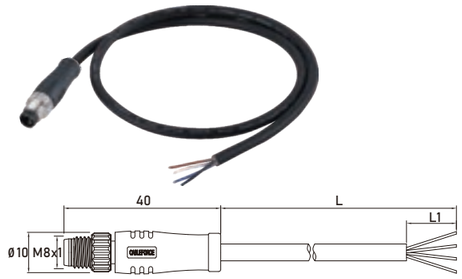
Assembly Instruction



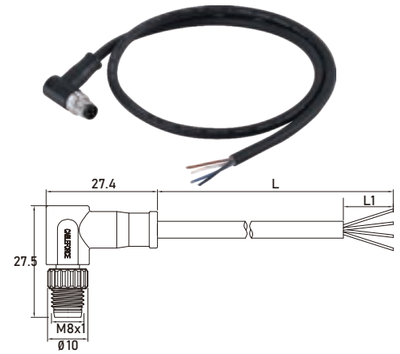
M8 Connecting Cable

M8 A-Code, Male, molded cable, pigtail

180° Straight



90° Right Angled



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8x 1.0 screw / M8				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Cable specification	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.					
Poles	Cable length	180° Straight PVC (Cable)	180° Straight PUR (Cable)	90° Right Angled PVC (Cable)	90° Right Angled PUR (Cable)
3 Pin	1 m	EPIC MB03C2LSAB24CK10-S30	EPIC MB03C2LSAB24RK10-S30	EPIC MB03C2RSAB24CK10-S30	EPIC MB03C2RSAB24RK10-S30
		7433500839	7433500841	7433500843	7433500845
	2 m	EPIC MB03C2LSAB24CK20-S30	EPIC MB03C2LSAB24RK20-S30	EPIC MB03C2RSAB24CK20-S30	EPIC MB03C2RSAB24RK20-S30
		7433500840	7433500842	7433500844	7433500846
4 Pin	1 m	EPIC MB04C2LSAB24CK10-S30	EPIC MB04C2LSAB24RK10-S30	EPIC MB04C2RSAB24CK10-S30	EPIC MB04C2RSAB24RK10-S30
		7433500847	7433500849	7433500851	7433500853
	2 m	EPIC MB04C2LSAB24CK20-S30	EPIC MB04C2LSAB24RK20-S30	EPIC MB04C2RSAB24CK20-S30	EPIC MB04C2RSAB24RK20-S30
		7433500848	7433500850	7433500852	7433500854
5 Pin	1 m	EPIC MB05C2LSBB24CK10-S30	EPIC MB05C2LSBB24RK10-S30	EPIC MB05C2RSBB24CK10-S30	EPIC MB05C2RSBB24RK10-S30
		7433500855	7433500857	7433500859	7433500861
	2 m	EPIC MB05C2LSBB24CK20-S30	EPIC MB05C2LSBB24RK20-S30	EPIC MB05C2RSBB24CK20-S30	EPIC MB05C2RSBB24RK20-S30
		7433500856	7433500858	7433500860	7433500862
6 Pin	1 m	EPIC MB06C2LSAB26CK10-S30	EPIC MB06C2LSAB26RK10-S30	EPIC MB06C2RSAB26CK10-S30	EPIC MB06C2RSAB26RK10-S30
		7433500863	7433500865	7433500867	7433500869
	2 m	EPIC MB06C2LSAB26CK20-S30	EPIC MB06C2LSAB26RK20-S30	EPIC MB06C2RSAB26CK20-S30	EPIC MB06C2RSAB26RK20-S30
		7433500864	7433500866	7433500868	7433500870
8 Pin	1 m	EPIC MB08C2LSAB26CK10-S30	EPIC MB08C2LSAB26RK10-S30	EPIC MB08C2RSAB26CK10-S30	EPIC MB08C2RSAB26RK10-S30
		7433500871	7433500873	7433500875	7433500877
	2 m	EPIC MB08C2LSAB26CK20-S30	EPIC MB08C2LSAB26RK20-S30	EPIC MB08C2RSAB26CK20-S30	EPIC MB08C2RSAB26RK20-S30
		7433500872	7433500874	7433500876	7433500878

Wiring Diagram

3Pin Wire List	
PIN 1	Brown (AWG 24)
PIN 2	Blue (AWG 24)
PIN 3	Black (AWG 24)

4Pin Wire List	
PIN 1	Brown (AWG 24)
PIN 2	White (AWG 24)
PIN 3	Blue (AWG 24)
PIN 4	Black (AWG 24)

5Pin Wire List	
PIN 1	Brown (AWG 24)
PIN 2	White (AWG 24)
PIN 3	Blue (AWG 24)
PIN 4	Black (AWG 24)
PIN 5	Gray (AWG 24)

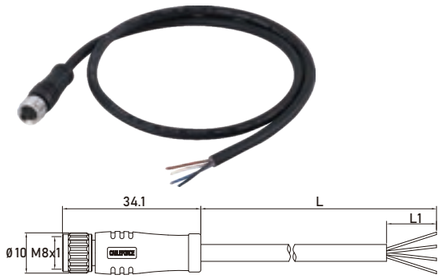
6Pin Wire List	
PIN 1	Brown (AWG 24)
PIN 2	White (AWG 24)
PIN 3	Blue (AWG 24)
PIN 4	Black (AWG 24)
PIN 5	Gray (AWG 24)
PIN 6	Pink (AWG 26)

8Pin Wire List	
PIN 1	Brown (AWG 24)
PIN 2	White (AWG 24)
PIN 3	Blue (AWG 24)
PIN 4	Black (AWG 24)
PIN 5	Gray (AWG 24)
PIN 6	Pink (AWG 26)
PIN 7	Blue (AWG 26)
PIN 8	Red (AWG 26)

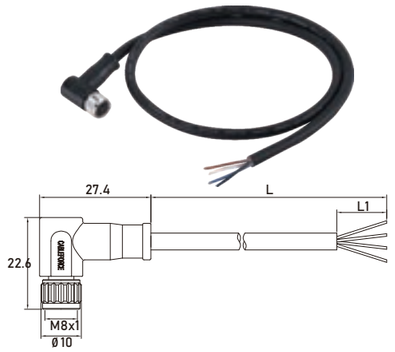
M8 Connecting Cable

M8 A-Code, female, molded cable, pigtail

180° Straight



90° Right Angled



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8x 1.0 screw / M8				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Cable specification	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MB03C2LSAB24CK10-S30	EPIC MB03C2LSAB24RK10-S30	EPIC MB03C2RSAB24CK10-S30	EPIC MB03C2RSAB24RK10-S30
	2 m	EPIC MB03C2LSAB24CK20-S30	EPIC MB03C2LSAB24RK20-S30	EPIC MB03C2RSAB24CK20-S30	EPIC MB03C2RSAB24RK20-S30
4 Pin	1 m	EPIC MB04C2LSAB24CK10-S30	EPIC MB04C2LSAB24RK10-S30	EPIC MB04C2RSAB24CK10-S30	EPIC MB04C2RSAB24RK10-S30
	2 m	EPIC MB04C2LSAB24CK20-S30	EPIC MB04C2LSAB24RK20-S30	EPIC MB04C2RSAB24CK20-S30	EPIC MB04C2RSAB24RK20-S30
5 Pin	1 m	EPIC MB05C2LSBB24CK10-S30	EPIC MB05C2LSBB24RK10-S30	EPIC MB05C2RSBB24CK10-S30	EPIC MB05C2RSBB24RK10-S30
	2 m	EPIC MB05C2LSBB24CK20-S30	EPIC MB05C2LSBB24RK20-S30	EPIC MB05C2RSBB24CK20-S30	EPIC MB05C2RSBB24RK20-S30
6 Pin	1 m	EPIC MB06C2LSAB26CK10-S30	EPIC MB06C2LSAB26RK10-S30	EPIC MB06C2RSAB26CK10-S30	EPIC MB06C2RSAB26RK10-S30
	2 m	EPIC MB06C2LSAB26CK20-S30	EPIC MB06C2LSAB26RK20-S30	EPIC MB06C2RSAB26CK20-S30	EPIC MB06C2RSAB26RK20-S30
8 Pin	1 m	EPIC MB08C2LSAB26CK10-S30	EPIC MB08C2LSAB26RK10-S30	EPIC MB08C2RSAB26CK10-S30	EPIC MB08C2RSAB26RK10-S30
	2 m	EPIC MB08C2LSAB26CK20-S30	EPIC MB08C2LSAB26RK20-S30	EPIC MB08C2RSAB26CK20-S30	EPIC MB08C2RSAB26RK20-S30

Wiring Diagram

3Pin Wire List

PIN 1	Brown (AWG 24)
PIN 2	Blue (AWG 24)
PIN 3	Black (AWG 24)

4Pin Wire List

PIN 1	Brown (AWG 24)
PIN 2	White (AWG 24)
PIN 3	Blue (AWG 24)
PIN 4	Black (AWG 24)

5Pin Wire List

PIN 1	Brown (AWG 24)
PIN 2	White (AWG 24)
PIN 3	Blue (AWG 24)
PIN 4	Black (AWG 24)
PIN 5	Gray (AWG 24)

6Pin Wire List

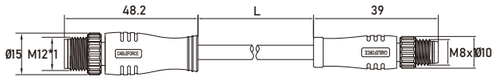
PIN 1	Brown (AWG 24)
PIN 2	White (AWG 24)
PIN 3	Blue (AWG 24)
PIN 4	Black (AWG 24)
PIN 5	Gray (AWG 24)
PIN 6	Pink (AWG 26)

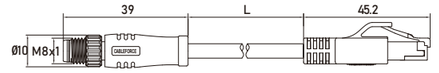
8Pin Wire List

PIN 1	Brown (AWG 24)
PIN 2	White (AWG 24)
PIN 3	Blue (AWG 24)
PIN 4	Black (AWG 24)
PIN 5	Gray (AWG 24)
PIN 6	Pink (AWG 26)
PIN 7	Blue (AWG 26)
PIN 8	Red (AWG 26)

M8 Ethernet/ Profinet Cable

M8 Male to M12 D-Code male or RJ45 male connector, molded Cat 5E S/FTP 360° EMC-shielded cable



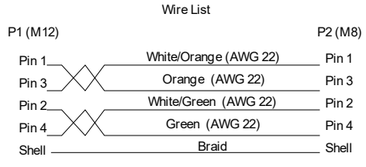


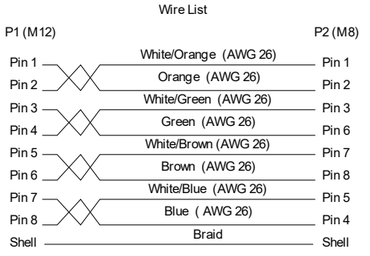
Connector Technical data				
Contacts No.	4Pin	M12 Male	8Pin	RJ45 Male
Front View				
Reference Standard	IEC 61076-2-104			
Rated current	3A	4A	1.5A	
Rated voltage	60V	250V	30V	
Impulse voltage	1500V	500V		
Locking system	M12 x 1.0 screw / M12 , M8 x 1.0 screw / M8			
Termination	Soldering			
Cable specification	0.34mm² (AWG 22)		0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.

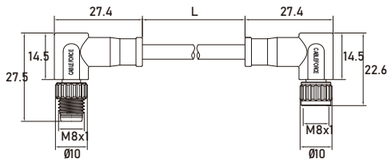
Poles	Cable length	M8 Male - M12 Male 4Pin M8-M12		M8 Male - RJ45 Male M8-RJ45	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	0.3 m	MB04C1-MC04C1LSDSB22CG03-C5E	MB04C1-MC04C1LSDSB22RG03-C5E		
		7433500879	7433500884		
	1.0 m	MB04C1-MC04C1LSDSB22CG10-C5E	MB04C1-MC04C1LSDSB22RG10-C5E		
		7433500880	7433500885		
	1.5 m	MB04C1-MC04C1LSDSB22CG15-C5E	MB04C1-MC04C1LSDSB22RG15-C5E		
		7433500881	7433500886		
	2.0 m	MB04C1-MC04C1LSDSB22CG20-C5E	MB04C1-MC04C1LSDSB22RG20-C5E		
		7433500882	7433500887		
	3.5 m	MB04C1-MC04C1LSDSB22CG35-C5E	MB04C1-MC04C1LSDSB22RG35-C5E		
		7433500883	7433500888		
8 Pin	0.3 m			MB-RJ5E08C5LSDSB26CG03-C5E	MB-RJ5E08C5LSDSB26RG03-C5E
				7433500889	
	1.0 m			MB-RJ5E08C5LSDSB26CG10-C5E	MB-RJ5E08C5LSDSB26RG10-C5E
				7433500890	
	1.5 m			MB-RJ5E08C5LSDSB26CG15-C5E	MB-RJ5E08C5LSDSB26RG15-C5E
				7433500891	
	2.0 m			MB-RJ5E08C5LSDSB26CG20-C5E	MB-RJ5E08C5LSDSB26RG20-C5E
				7433500892	
	3.5 m			MB-RJ5E08C5LSDSB26CG35-C5E	MB-RJ5E08C5LSDSB26RG35-C5E
				7433500893	

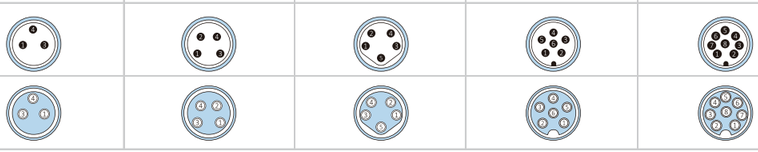
Wiring Diagram





M8 A-Code, male to female, double ended, molded cable, Un-shielded

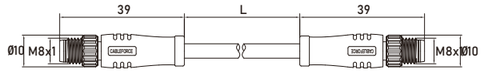


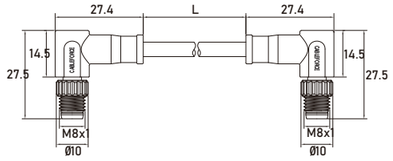
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8x 1.0 screw / M8				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Cable specification	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				

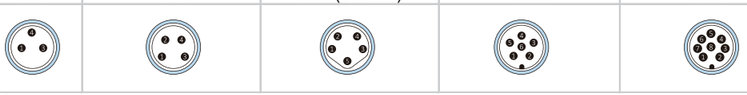
Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C3LSAB24CK20	EPIC MB03C3LSAB24RK20	EPIC MB03C3RSAB24CK20	EPIC MB03C3RSAB24RK20
		7433500894	7433500896	7433500898	7433500900
	5 m	EPIC MB03C3LSAB24CK50	EPIC MB03C3LSAB24RK50	EPIC MB03C3RSAB24CK50	EPIC MB03C3RSAB24RK50
		7433500895	7433500897	7433500899	7433500901
4 Pin	2 m	EPIC MB04C3LSAB24CK20	EPIC MB04C3LSAB24RK20	EPIC MB04C3RSAB24CK20	EPIC MB04C3RSAB24RK20
		7433500902	7433500904	7433500906	7433500908
	5 m	EPIC MB04C3LSAB24CK50	EPIC MB04C3LSAB24RK50	EPIC MB04C3RSAB24CK50	EPIC MB04C3RSAB24RK50
		7433500903	7433500905	7433500907	7433500909
5 Pin	2 m	EPIC MB04C3LSAB24CK20	EPIC MB05C3LSBB24RK20	EPIC MB05C3RSBB24CK20	EPIC MB05C3RSBB24RK20
		7433500910	7433500912	7433500914	7433500916
	5 m	EPIC MB05C3LSBB24CK50	EPIC MB05C3LSBB24RK50	EPIC MB05C3RSBB24CK50	EPIC MB05C3RSBB24RK50
		7433500911	7433500913	7433500915	7433500917
6 Pin	2 m	EPIC MB06C3LSAB26CK20	EPIC MB06C3LSAB26RK20	EPIC MB06C3RSAB26CK20	EPIC MB06C3RSAB26RK20
		7433500918	7433500920	7433500922	7433500924
	5 m	EPIC MB06C3LSAB26CK50	EPIC MB06C3LSAB26RK50	EPIC MB06C3RSAB26CK50	EPIC MB06C3RSAB26RK50
		7433500919	7433500921	7433500923	7433500925
8 Pin	2 m	EPIC MB08C3LSAB26CK20	EPIC MB08C3LSAB26RK20	EPIC MB08C3RSAB26CK20	EPIC MB08C3RSAB26RK20
		7433500926	7433500928	7433500930	7433500932
	5 m	EPIC MB08C3LSAB26CK50	EPIC MB08C3LSAB26RK50	EPIC MB08C3RSAB26CK50	EPIC MB08C3RSAB26RK50
		7433500927	7433500929	7433500931	7433500933

M8 A-Code, male to male, double ended, molded cable, Un-shielded





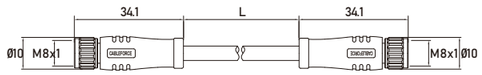
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw / M8				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Cable specification	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				

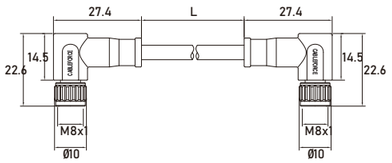
Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C5LSAB24CK20	EPIC MB03C5LSAB24RK20	EPIC MB03C5RSAB24CK20	EPIC MB03C5RSAB24RK20
		7433500934	7433500936	7433500938	7433500940
	5 m	EPIC MB03C5LSAB24CK50	EPIC MB03C5LSAB24RK50	EPIC MB03C5RSAB24CK50	EPIC MB03C5RSAB24RK50
		7433500935	7433500937	7433500939	7433500941
4 Pin	2 m	EPIC MB04C5LSAB24CK20	EPIC MB04C5LSAB24RK20	EPIC MB04C5RSAB24CK20	EPIC MB04C5RSAB24RK20
		7433500942	7433500944	7433500946	7433500948
	5 m	EPIC MB04C5LSAB24CK50	EPIC MB04C5LSAB24RK50	EPIC MB04C5RSAB24CK50	EPIC MB04C5RSAB24RK50
		7433500943	7433500945	7433500947	7433500949
5 Pin	2 m	EPIC MB05C5LSBB24CK20	EPIC MB05C5LSBB24RK20	EPIC MB05C5RSBB24CK20	EPIC MB05C5RSBB24RK20
		7433500950	7433500952	7433500954	7433500956
	5 m	EPIC MB05C5LSBB24CK50	EPIC MB05C5LSBB24RK50	EPIC MB05C5RSBB24CK50	EPIC MB05C5RSBB24RK50
		7433500951	7433500953	7433500955	7433500957
6 Pin	2 m	EPIC MB06C5LSAB26CK50	EPIC MB06C5LSAB26RK50	EPIC MB06C5RSAB26CK50	EPIC MB06C5RSAB26RK50
		7433500958	7433500960	7433500962	7433500964
	5 m	EPIC MB06C5LSAB26CK50	EPIC MB06C5LSAB26RK50	EPIC MB06C5RSAB26CK50	EPIC MB06C5RSAB26RK50
		7433500959	7433500961	7433500963	7433500965
8 Pin	2 m	EPIC MB08C5LSAB26CK20	EPIC MB08C5LSAB26RK20	EPIC MB08C5RSAB26CK20	EPIC MB08C5RSAB26RK20
		7433500966	7433500968	7433500970	7433500972
	5 m	EPIC MB08C5LSAB26CK50	EPIC MB08C5LSAB26RK50	EPIC MB08C5RSAB26CK50	EPIC MB08C5RSAB26RK50
		7433500967	7433500969	7433500971	7433500973

M8 Connecting Cable

M8 A-Code, female to female, double ended, molded cable, 360° EMI-Shielded





Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8x 1.0 screw / M8				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Cable specification	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				

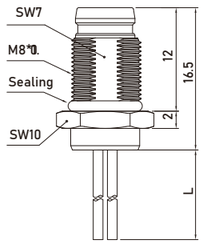
Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C4LSASB24CK20	EPIC MB03C4LSASB24RK20	EPIC MB03C4RSASB24CK20	EPIC MB03C4RSASB24RK20
		7433500974	7433500976	7433500978	7433500980
	5 m	EPIC MB03C4LSASB24CK50	EPIC MB03C4LSASB24RK50	EPIC MB03C4RSASB24CK50	EPIC MB03C4RSASB24RK50
		7433500975	7433500977	7433500979	7433500981
4 Pin	2 m	EPIC MB04C4LSASB24CK20	EPIC MB04C4LSASB24RK20	EPIC MB04C4RSASB24CK20	EPIC MB04C4RSASB24RK20
		7433500982	7433500984	7433500986	7433500988
	5 m	EPIC MB04C4LSASB24CK50	EPIC MB04C4LSASB24RK50	EPIC MB04C4RSASB24CK50	EPIC MB04C4RSASB24RK50
		7433500983	7433500985	7433500987	7433500989
5 Pin	2 m	EPIC MB05C4LSBSB24CK20	EPIC MB05C4LSBSB24RK20	EPIC MB05C4RSBSB24CK20	EPIC MB05C4RSBSB24RK20
		7433500990	7433500992	7433500994	7433500996
	5 m	EPIC MB05C4LSBSB24CK50	EPIC MB05C4LSBSB24RK50	EPIC MB05C4RSBSB24CK50	EPIC MB05C4RSBSB24RK50
		7433500991	7433500993	7433500995	7433500997
6 Pin	2 m	EPIC MB06C4LSASB26CK20	EPIC MB06C4LSASB26RK20	EPIC MB06C4RSASB26CK20	EPIC MB06C4RSASB26RK20
		7433500998	7433501000	7433501002	7433501004
	5 m	EPIC MB06C4LSASB26CK50	EPIC MB06C4LSASB26RK50	EPIC MB06C4RSASB26CK50	EPIC MB06C4RSASB26RK50
		7433500999	7433501001	7433501003	7433501005
8 Pin	2 m	EPIC MB08C4LSASB26CK20	EPIC MB08C4LSASB26RK20	EPIC MB08C4RSASB26CK20	EPIC MB08C4RSASB26RK20
		7433501006	7433501008	7433501010	7433501012
	5 m	EPIC MB08C4LSASB26CK50	EPIC MB08C4LSASB26RK50	EPIC MB08C4RSASB26CK50	EPIC MB08C4RSASB26RK50
		7433501007	7433501009	7433501011	7433501013

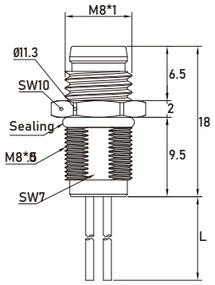
M8 A-Code, B-Code

M8 A-Code male panel connector, front/ rear mount, with single wires

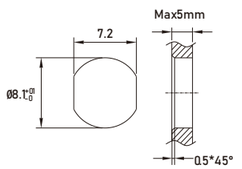
Front Fastened



Rear Fastened



Recommended Panel Cut-out



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw / M8				
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm				
Termination	Soldering				
Wire gauge	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	–25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.

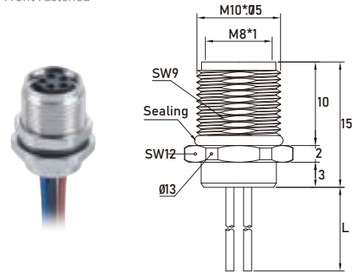
Poles	Wire length	Panel Front Side Fastening	Panel Rear Side Fastening	
		M8x1.0 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	2 m	EPIC MB03P1LSAB24W02	EPIC MB03P3LSAB24W02	EPIC MB03P3LSAB10.7-24W02
		7433505256	7433505258	7433505260
	5 m	EPIC MB03P1LSAB24W05	EPIC MB03P3LSAB24W05	EPIC MB03P3LSAB10.7-24W05
		7433505257	7433505259	7433505261
4 Pin	2 m	EPIC MB04P1LSAB24W02	EPIC MB04P3LSAB24W02	EPIC MB04P3LSAB10.7-24W02
		7433505262	7433505264	7433505266
	5 m	EPIC MB04P1LSAB24W05	EPIC MB04P3LSAB24W05	EPIC MB04P3LSAB10.7-24W05
		7433505263	7433505265	7433505267
5 Pin	2 m	EPIC MB05P1LSBB24W02	EPIC MB05P3LSBB24W02	EPIC MB05P3LSBB10.7-24W02
		7433505268	7433505270	7433505272
	5 m	EPIC MB05P1LSBB24W05	EPIC MB05P3LSBB24W05	EPIC MB05P3LSBB10.7-24W05
		7433505269	7433505271	7433505273
6 Pin	2 m	EPIC MB06P1LSAB26W02	EPIC MB06P3LSAB26W02	EPIC MB06P3LSAB10.7-26W02
	5 m	EPIC MB06P1LSAB26W05	EPIC MB06P3LSAB26W05	EPIC MB06P3LSAB10.7-26W05
8 Pin	2 m	EPIC MB08P1LSAB26W02	EPIC MB08P3LSAB26W02	EPIC MB08P3LSAB10.7-26W02
	5 m	EPIC MB08P1LSAB26W05	EPIC MB08P3LSAB26W05	EPIC MB08P3LSAB10.7-26W05

Wires' Color Coding

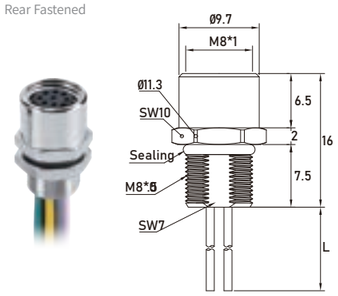
Poles & Wire Color / Pin					
Pin 1	BN BN		BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

M8 A-Code Female panel connector, front/ rear mount, with single wires

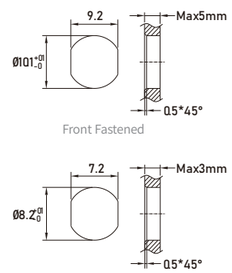
Front Fastened



Rear Fastened



Recommended Panel Cut-out

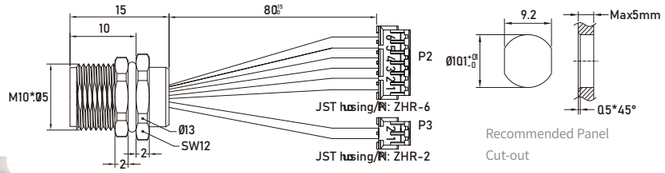


Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw / M8				
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm				
Termination	Soldering				
Wire gauge	0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	–25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.				
Poles	Wire length	Panel Front Side Fastening	Panel Rear Side Fastening	
		M8x1.0 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	2 m	EPIC MB03P2LSAB24W02	EPIC MB03P4LSAB24W02	EPIC MB03P4LSAB10.7-24W02
		7433505274	7433505276	7433505278
	5 m	EPIC MB03P2LSAB24W05	EPIC MB03P4LSAB24W05	EPIC MB03P4LSAB10.7-24W05
		7433505275	7433505277	7433505279
4 Pin	2 m	EPIC MB04P2LSAB24W02	EPIC MB04P4LSAB24W02	EPIC MB04P4LSAB10.7-24W02
		7433505280	7433505282	7433505284
	5 m	EPIC MB04P2LSAB24W05	EPIC MB04P4LSAB24W05	EPIC MB04P4LSAB10.7-24W05
		7433505281	7433505283	7433505285
5 Pin	2 m	EPIC MB05P2LSBB24W02	EPIC MB05P4LSBB24W02	EPIC MB05P4LSBB10.7-24W02
		7433505286	7433505288	7433505290
	5 m	EPIC MB05P2LSBB24W05	EPIC MB05P4LSBB24W05	EPIC MB05P4LSBB10.7-24W05
		7433505287	7433505289	7433505291
6 Pin	2 m	EPIC MB06P2LSAB26W02	EPIC MB06P4LSAB26W02	EPIC MB06P4LSAB10.7-26W02
		7433505292	7433505294	7433505296
	5 m	EPIC MB06P2LSAB26W05	EPIC MB06P4LSAB26W05	EPIC MB06P4LSAB10.7-26W05
		7433505293	7433505295	7433505297
8 Pin	2 m	EPIC MB08P2LSAB26W02	EPIC MB08P4LSAB26W02	EPIC MB08P4LSAB10.7-26W02
		7433505298	7433505300	7433505302
	5 m	EPIC MB08P2LSAB26W05	EPIC MB08P4LSAB26W05	EPIC MB08P4LSAB10.7-26W05
		7433505299	7433505301	7433505303

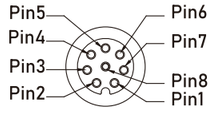
Wires' Color Coding					
Poles & Wire Color / Pin					
Pin 1	BN BN		BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

M8 8Pin female panel connector front side fastening end with JST board connectors.

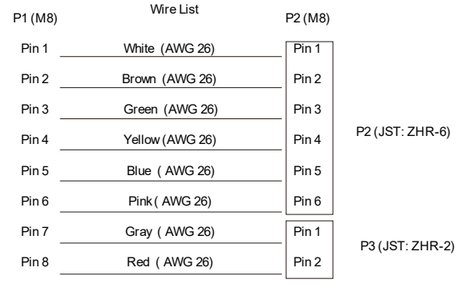


Connector Technical data	
Contacts No. Pin	M8 8Pin female
Front View	
Reference Standard	IEC 61076-2-104
Rated current	1.5A
Rated voltage	30V
Impulse voltage	500V
Locking system	M8 x 1.0 screw / M8
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm
Termination	Soldering
Wire gauge	0.14mm² (AWG 26)
Rated temperature	–25 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

Wiring Diagram

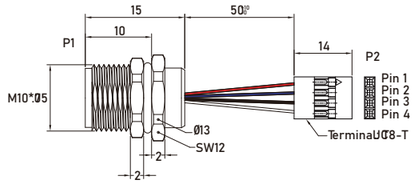


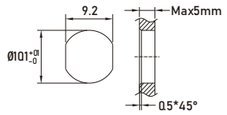
Pin Assignment
Front View
M8 female A-Coding 8Pin



M8 Panel Connector, Custom Solution

M8 4Pin female panel connector front side fastening end with TJC8-T connectors

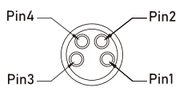




Recommended Panel Cut-out

Connector Technical data	
Contacts No.	M8 4Pin female
Front View	
Reference Standard	IEC 61076-2-104
Rated current	3A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M8 x 1.0 screw M8
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm
Termination	Soldering
Wire gauge	0.14mm² (AWG 26)
Rated temperature	–25 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKMSilicon
Protection degree	IP67, IP68
Pollution degree	3

Wiring Diagram

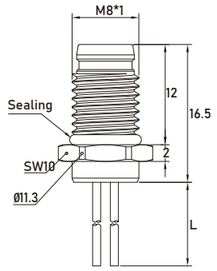


Pin Assignment
Front View
M8 female A-Coding 4Pin

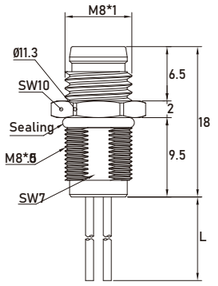
M8 A-Code

M8 A-Code male panel connector, front/ rear mount, snap-in, with single wires

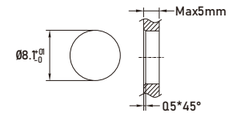
Front Fastened



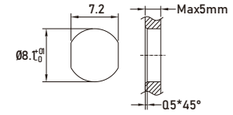
Rear Fastened



Recommended Panel Cut-out



Front Fastened



Rear Fastened

Connector Technical data				
Contacts No.	3Pin		4Pin	
Front View				
Reference Standard	IEC 61076-2-104			
Rated current	3A			
Rated voltage	60V			
Impulse voltage	1500V			
Locking system	M8 x 1.0 screw M8			
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm			
Termination	Soldering			
Wire gauge	0.25mm² (AWG 24)			
Rated temperature	–25 °C ... +90 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKMSilicon			
Protection degree	IP67			
Pollution degree	3			

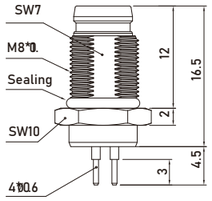
Ordering No.

Poles	Wire length	Panel Front Side Fastening	Panel Rear Side Fastening	
		M8x1.0 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	0.2 m	EPIC MB03P5LSAB24W02	EPIC MB03P5LSAB24W02	EPIC MB03P5LSAB10.7-24W02
		7433505304	7433505306	7433505308
	0.5 m	EPIC MB03P5LSAB24W05	EPIC MB03P5LSAB24W05	EPIC MB03P5LSAB10.7-24W05
		7433505305	7433505307	7433505309
4 Pin	0.2 m	EPIC MB04P5LSAB24W02	EPIC MB04P5LSAB24W02	EPIC MB04P5LSAB10.7-24W02
		7433505310	7433505312	7433505314
	0.5 m	EPIC MB04P5LSAB24W05	EPIC MB04P5LSAB24W05	EPIC MB04P5LSAB10.7-24W05
		7433505311	7433505313	7433505315

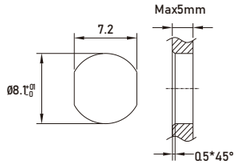
Wires' Color Coding

Poles & Wire Color Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

M8 A-Code male panel connector, front mount snap-in, PCB Contacts



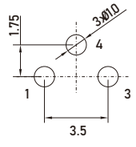
Recommended Panel Cut-out



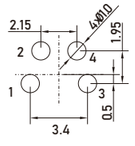
Connector Technical data		
Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-104	
Rated current	3A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M8 x 1.0 screw M8	
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm	
Termination	PCB Dip Soldering	
Rated temperature	–25 °C ... +90 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKMSilicon	
Protection degree	IP67	
Pollution degree	3	

Ordering No.	
Poles	M8x1.0 Chassis Side Thread
3 Pin	EPIC MB03P5LPAB
	7433505316
4 Pin	EPIC MB04P5LPAB
	7433505317

PCB Layout Reference



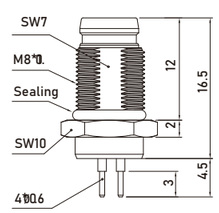
3P (PØ0.8)



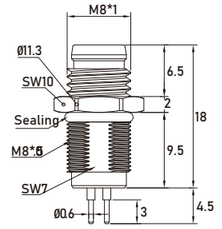
4P (PØ0.8)

M8 A-Code male panel connector, front/ rear mount, PCB Contacts

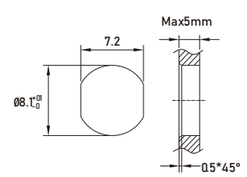
Front Fastened



Rear Fastened



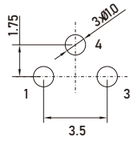
Recommended Panel Cut-out



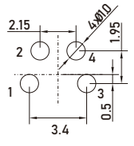
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A		1.5A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw M8				
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm				
Termination	PCB Dip Soldering				
Rated temperature	–25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKMSilicon				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.			
Poles	Panel Front Side Fastening	Panel Rear Side Fastening	
	M8x1.0 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	EPIC MB03P1LPAB	EPIC MB03P3LPAB	EPIC MB03P3LPAB10.7
	7433505318	7433505319	7433505320
4 Pin	EPIC MB04P1LPAB	EPIC MB04P3LPAB	EPIC MB04P3LPAB10.7
	7433505321	7433505322	7433505323
5 Pin	EPIC MB05P1LPBB	EPIC MB05P3LPBB	EPIC MB05P3LPBB10.7
	7433505324	7433505325	7433505326
6 Pin	EPIC MB06P1LPAB	EPIC MB06P3LPAB	EPIC MB06P3LPAB10.7
	7433505327	7433505328	7433505329
8 Pin	EPIC MB08P1LPAB	EPIC MB08P3LPAB	EPIC MB08P3LPAB10.7
	7433505330	7433505331	7433505332

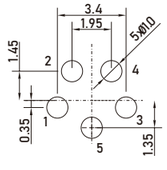
PCB Layout Reference



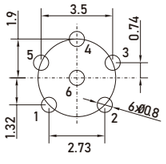
3P (PØ0.8)



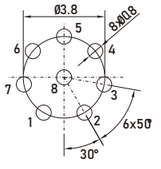
4P (PØ0.8)



5P (PØ0.8)



6P (PØ0.6)

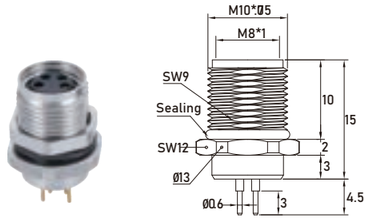


8P (PØ0.6)

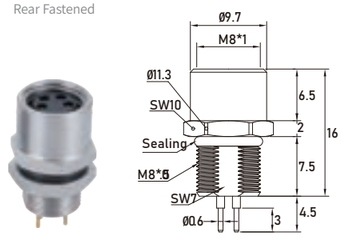
M8 A-Code, B-Code

M8 A-Code female panel connector, front/ rear mount, PCB Contacts

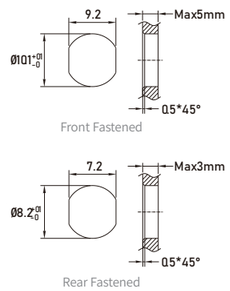
Front Fastened



Rear Fastened



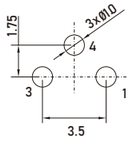
Recommended Panel Cut-out



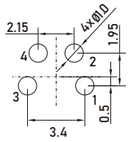
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw M8				
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm				
Termination	PCB Dip Soldering				
Rated temperature	–25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKMSilicon				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.			
Poles	Panel Front Side Fastening	Panel Rear Side Fastening	
	M10x0.75 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	EPIC MB03P2LPAB	EPIC MB03P4LPAB	EPIC MB03P4LPAB10.7
	7433505333	7433505334	7433505335
4 Pin	EPIC MB04P2LPAB	EPIC MB04P4LPAB	EPIC MB04P4LPAB10.7
	7433505336	7433505337	7433505338
5 Pin	EPIC MB05P2LPBB	EPIC MB05P4LPBB	EPIC MB05P4LPBB10.7
	7433505339	7433505340	7433505341
6 Pin	EPIC MB06P2LPAB	EPIC MB06P4LPAB	EPIC MB06P4LPAB10.7
	7433505342	7433505343	7433505344
8 Pin	EPIC MB08P2LPAB	EPIC MB08P4LPAB	EPIC MB08P4LPAB10.7
	7433505345	7433505346	7433505347

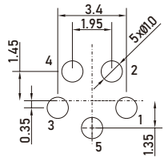
PCB Layout Reference



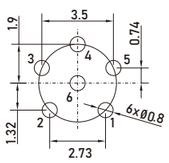
3P (PinØ0.8)



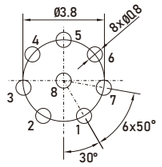
4P(PinØ0.8)



5P(PinØ0.8)



6P(PinØ0.6)

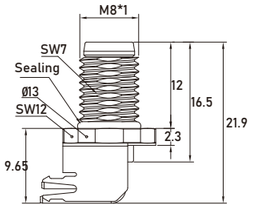


8P(PinØ0.6)

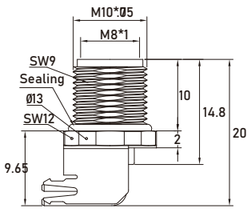
M8 90° Panel Connector

M8 panel connector, front side fastening, PCB Contacts, EMI-Shielded, 90° right angled

Male



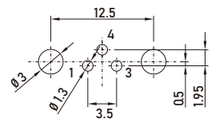
Female



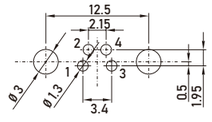
Connector Technical data			
Contacts No.	3Pin	4Pin	5Pin
Front View			
Reference Standard	IEC 61076-2-104		3A
Rated current	3A		30V
Rated voltage	60V		500V
Impulse voltage	1500V		
Locking system	M8 x 1.0 screw M8		
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm		
Termination	PCB Dip Soldering		
Rated temperature	–25 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Contact carrier	TPU + GF		
Screw nut	Brass, CNC, Nickel-plated		
Contact	Brass Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKMSilicon		
Protection degree	IP67, IP68		
Pollution degree	3		

Ordering No.		
Poles	Male	Female
3 Pin	EPIC MB03P1RPASB	EPIC MB03P2RPASB
	7433505348	7433505349
4 Pin	EPIC MB04P1RPASB	EPIC MB04P2RPASB
	7433505350	7433505351
5 Pin	EPIC MB05P1RPBSB	EPIC MB05P2RPBSB
	7433505352	7433505353

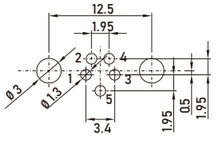
PCB Layout Reference



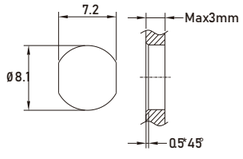
3P Male公头



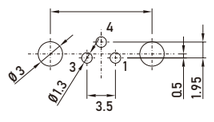
4PMale公头



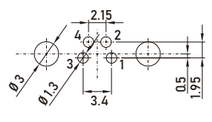
5P Male公头



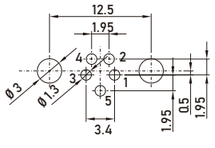
Male Recommended Panel Cut-out
公头 面板开孔建议



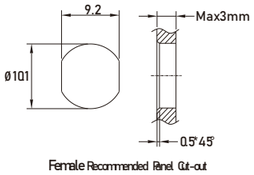
3P Female母头



4P Female母头



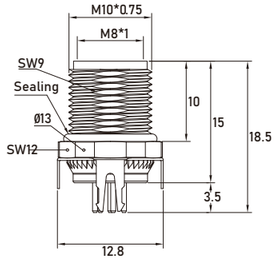
5PFemale母头

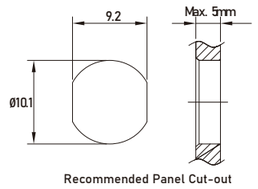


Female Recommended Panel Cut-out

M8 Panel Connector EMI-Shielded

M8 female panel connector, front side fastening, PCB Contacts, EMI-Shielded



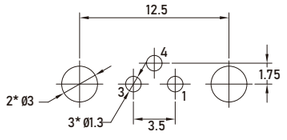


Recommended Panel Cut-out

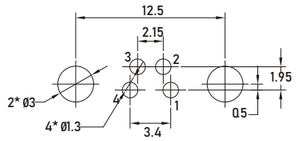
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw M8				
Tightening Torque	Recommend：0.3Nm，Max：0.6Nm				
Termination	PCB Dip Soldering				
Rated temperature	–25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKMSilicon				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.		
Poles	Female	
3 Pin	EPIC MB03P2LPASB	
	7433505354	
4 Pin	EPIC MB04P2LPASB	
	7433505355	
5 Pin	EPIC MB05P2LPBSB	
	7433505356	

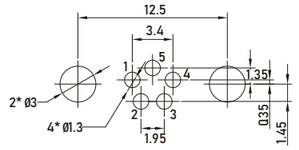
PCB Layout Reference



M8 3Pin PCB



M8 4Pin PCB

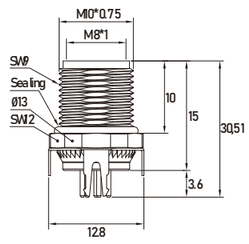


M8 5Pin PCB

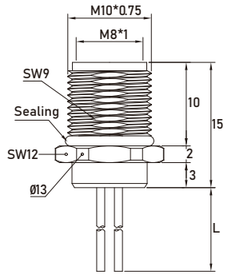
M8 D-Code

M8 D-Code Female Panel Connector, with PCB ground pin or soldered wires

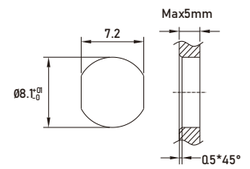
PCB



Soldered wires



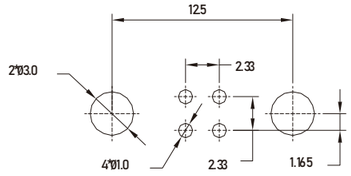
Recommended Panel Cut-out



Connector Technical data		
Contacts No.	4Pin	
Front View		
Reference standard	IEC 61076-2-114	
Rated current	4A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M8 x 1.0mm screw M8	
Tightening torque	Recommended：0.3 Nm，Max ： 0.6 Nm	
Termination	PCB Dip Solering	
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Contacts carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphor bronze	
Contacts plating	Au (Gold)	
O-Ring	FKMSilicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	
EMC Shielding	Shielded	

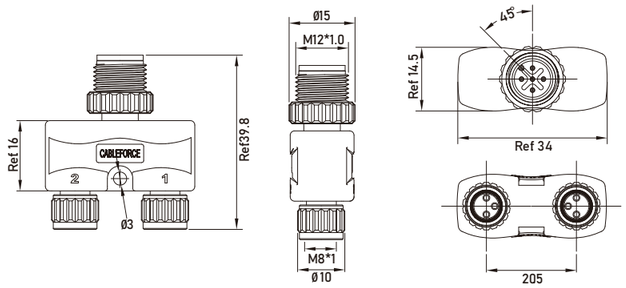
Ordering No.		
Poles	PCB	Soldered wires
4 Pin	EPIC MB04P2LPDSB	EPIC MB04P2LSDB-24W02 (200mm)
	7433505357	7433505358
		EPIC MB04P2LSDB-24W03 (300mm)
		7433505359
		EPIC MB04P2LSDB-24W05 (500mm)
		7433505360

PCB Layout Reference



M8 Y-Splitter

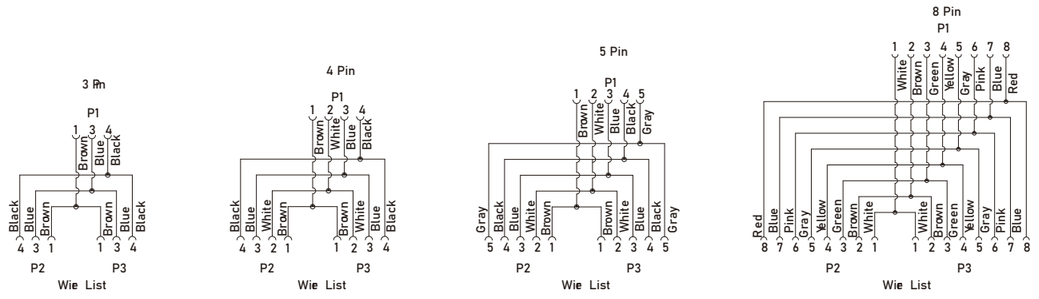
M12 - M8 Y-Splitter Adapter



Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
P1 Front View				
P2 Front View				
P3 Front View				
Reference Standard	IEC 61076-2-101 (M12), IEC 61076-2-104 (M8)			
Rated current	3A	3A	1.5A	
Rated voltage	60V	30V	30V	
Impulse voltage	1500V	500V		
Locking system	M12 x 1.0mm screw & M8 x 1.0mm screw			
Tightening Torque	M12 Connectors Recommended：0.3 Nm， Max：0.6 Nm, M8 Connectors Recommended： 0.2			
Termination	Soldering			
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C			
Insulation resistance	＞100MΩ			
Contact resistance	＜5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Bras/ Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67, IP68, IP69K			
Pollution degree	3			

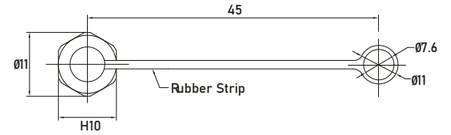
0rdering No.				
Poles	3Pin	4Pin	5Pin	8Pin
P/N	EPIC MC03Y-MFFAB-MB03	EPIC MC04Y-MFFAB-MB04	EPIC MC05Y-MFFBB-MB05	EPIC MC08Y-MFFAB-MB08
	7433507217	7433507218	7433507219	7433507220

Wiring Diagram



M8 Dust Cap

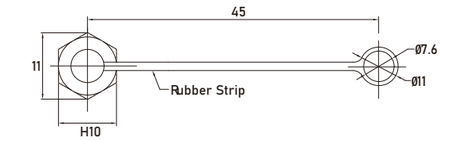
M8 male connector's dust cap, SUS#316 with strap



Notes	
Ordering No.	EPIC MB-PC03S
	7433505361
Cap:SUS#316	Strap:TPU
Sealing:FkMIP	Degree:IP67

M8 Dust Cap

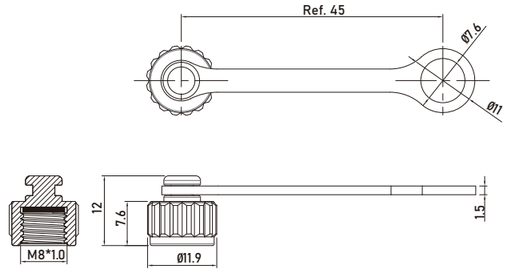
M8 female connector's dust cap, SUS#316 with strap



Notes	
Ordering No.	EPIC MB-PC04S
	7433505362
Cap:SUS#316	Strap:TPU
Degree:IP67	

M8 Dust Cap

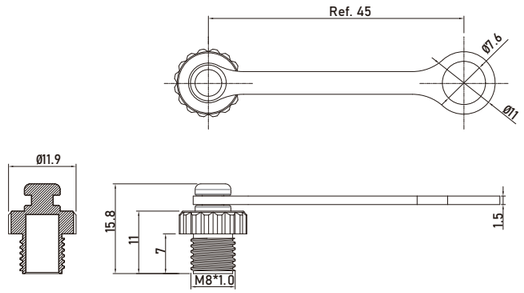
M8 male connector's dust cap, with strap



Notes	
Ordering No.:	EPIC MB-PC03
	7433505363
Cap：SUS#316	Sealing： FKM
Strap：TPU	IP Degree： IP67

M8 Dust Cap

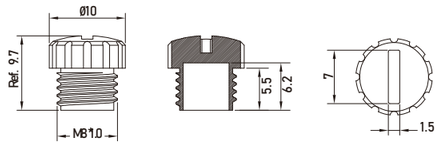
M8 female connector's dust cap, SUS#316 with strap



Notes	
Ordering No.:	EPIC MB-PC04
	7433505364
Cap：PA+GF	Strap：TPU
IP Degree： IP67	

M8 Dust Cap

M8 female connector's dust cap, SUS#316 with strap



Notes	
Ordering No.:	EPIC MB-PC06
	7433505365
Cap：PA+GF	
IP Degree： IP67	

Notes

M12 Circular molded cable

Waterproof Connectors, Highly Tailor-made Cable Solution. !
www.cableforce.cn

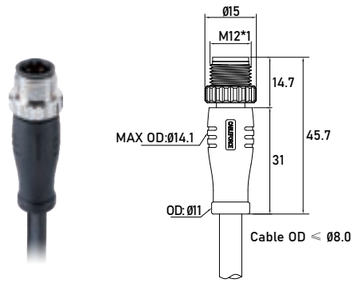
M12 circular cable connectors with M12 locking thread for Industrial automation, Process control, Industrial Ethernet, Railway CCTV, Boat cabling and Commercial electronics. The Series of CABLEFORCE M12 connector offers many different cable connectors configuration, panel-mounted receptacles, field attachable/installable connectors with industrystandard A, B, D, X, S, T, K, L and Y keyway coding options.

M12
Circular molded cable

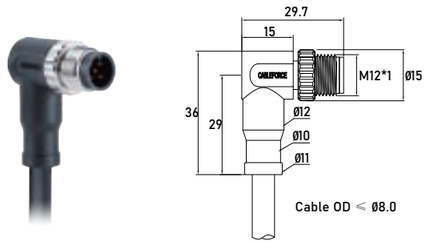
- IP67, IP69K, UL, CE, UKCA approvals
- 360° EMC shielded version available
- 2P, 2+3P, 3P, 4P, 5P, 8P, 12P, 17P poles per connector are available
- TPU over molded and PA+GF or metal shell
- Anti-vibration locking screw design
- Operating voltage: 690V, 630V, 250V, 60V, 48V, 30V;
- Current rating: 16A, 12A, 8A, 4A, 2A, 1.5A
- Customized cable length, with PUR, PVC, TPE, LSZH, EtherNet, Profinet, Railway NFPA 130, NMEA 2000, DeviceNet, CAN, Profibus, CC-Link cable options

M12 A-Code male connector, molded cable, Un-shielded, free end

180° Straight



90° Right Angled



Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm ² (AWG 22)				0.25mm ² AWG 24	0.14mm ² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	FKM Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

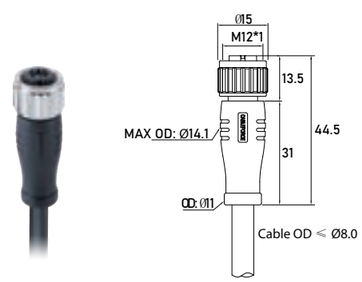
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC03C1LSAB22CK20	EPIC MC03C1LSAB22RK20	EPIC MC03C1RSAB22RK20	EPIC MC03C1RSAB22RK20
		7433501014	7433501016	7433501042	7433501044
	5 m	EPIC MC03C1LSAB22CK50	EPIC MC03C1LSAB22RK50	EPIC MC03C1RSAB22RK50	EPIC MC03C1RSAB22RK50
		7433501015	7433501017	7433501043	7433501045
4 Pin	2 m	EPIC MC04C1LSAB22CK20	EPIC MC04C1LSAB22RK20	EPIC MC04C1RSAB22RK20	EPIC MC04C1RSAB22RK20
		7433501018	7433501020	7433501046	7433501048
	5 m	EPIC MC04C1LSAB22CK50	EPIC MC04C1LSAB22RK50	EPIC MC04C1RSAB22RK50	EPIC MC04C1RSAB22RK50
		7433501019	7433501021	7433501047	7433501049
5 Pin	2 m	EPIC MC05C1LSAB22CK20	EPIC MC05C1LSAB22RK20	EPIC MC05C1RSAB22RK20	EPIC MC05C1RSAB22RK20
		7433501022	7433501024	7433501050	7433501052
	5 m	EPIC MC05C1LSAB22CK50	EPIC MC05C1LSAB22RK50	EPIC MC05C1RSAB22RK50	EPIC MC05C1RSAB22RK50
		7433501023	7433501025	7433501051	7433501053
CAN/DVN	2 m	EPIC MC05C1LSAB24CK20-DVN	EPIC MC05C1LSAB24RK20-DVN	IC MC05C1RSAB24RK20-D'	EPIC MC05C1RSAB24RK20-DVN
		7433501026	7433501028	7433501054	7433501056
	5 m	EPIC MC05C1LSAB24CK50-DVN	EPIC MC05C1LSAB24RK50-DVN	IC MC05C1RSAB24RK50-D'	EPIC MC05C1RSAB24RK50-DVN
		7433501027	7433501029	7433501055	7433501057
8 Pin	2 m	EPIC MC08C1LSAB24CK20	EPIC MC08C1LSAB24RK20	EPIC MC08C1RSAB24RK20	EPIC MC08C1RSAB24RK20
		7433501030	7433501032	7433501058	7433501060
	5 m	EPIC MC08C1LSAB24CK50	EPIC MC08C1LSAB24RK50	EPIC MC08C1RSAB24RK50	EPIC MC08C1RSAB24RK50
		7433501031	7433501033	7433501059	7433501061
12 Pin	2 m	EPIC MC12C1LSAB26CK20	EPIC MC12C1LSAB26RK20	EPIC MC12C1RSAB26RK20	EPIC MC12C1RSAB26RK20
		7433501034	7433501036	7433501062	7433501064
	5 m	EPIC MC12C1LSAB26CK50	EPIC MC12C1LSAB26RK50	EPIC MC12C1RSAB26RK50	EPIC MC12C1RSAB26RK50
		7433501035	7433501037	7433501063	7433501065
17 Pin	2 m	EPIC MC17C1LSAB26CK20	EPIC MC17C1LSAB26RK20	EPIC MC17C1RSAB26RK20	EPIC MC17C1RSAB26RK20
		7433501038	7433501040	7433501066	7433501068
	5 m	EPIC MC17C1LSAB26CK50	EPIC MC17C1LSAB26RK50	EPIC MC17C1RSAB26RK50	EPIC MC17C1RSAB26RK50
		7433501039	7433501041	7433501067	7433501069

Cable's Color Coding & Wiring

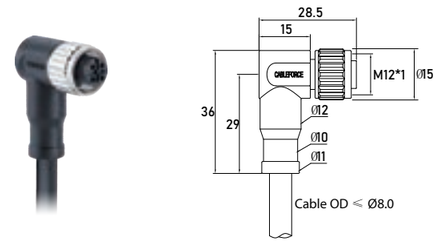
Poles & Wire Color Pin								
Pin 1	BN	BN	BN	PE	WH	WH	BN	13. WH/GN
Pin 2		WH	WH	RD	BN	BN	BU	14. BN/GN
Pin 3	BU	BU	BU	BK	GN	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	WH	YE	YE	GN	16. YE/BN
Pin 5			GY	BU	GY	GY	PK	17. WH/GY
Pin 6					PK	PK	YE	
Pin 7					BU	BU	BK	
Pin 8					RD	RD	GY	
Pin 9						OR	RD	
Pin 10						VT	VT	
Pin 11						BK	GY/PK	
Pin 12						LP	RD/BU	

M12 A-Code female connector, molded cable, Un-shielded, free end

180° Straight



90° Right Angled



Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN/DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm² (AWG 22)				0.25mm²AWG24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	⩾100MΩ						
Contact resistance	⩽5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

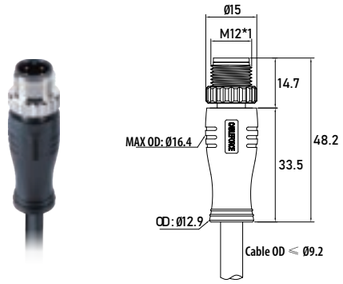
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC03C2LSAB22CK20	EPIC MC03C2LSAB22RK20	EPIC MC03C2RSAB22RK20	EPIC MC03C2RSAB22RK20
		7433501070	7433501072	7433501098	7433501100
	5 m	EPIC MC03C2LSAB22CK50	EPIC MC03C2LSAB22RK50	EPIC MC03C2RSAB22RK50	EPIC MC03C2RSAB22RK50
		7433501071	7433501073	7433501099	7433501101
4 Pin	2 m	EPIC MC04C2LSAB22CK20	EPIC MC04C2LSAB22RK20	EPIC MC04C2RSAB22RK20	EPIC MC04C2RSAB22RK20
		7433501074	7433501076	7433501102	7433501104
	5 m	EPIC MC04C2LSAB22CK50	EPIC MC04C2LSAB22RK50	EPIC MC04C2RSAB22RK50	EPIC MC04C2RSAB22RK50
		7433501075	7433501077	7433501103	7433501105
5 Pin	2 m	EPIC MC05C2LSAB22CK20	EPIC MC05C2LSAB22RK20	EPIC MC05C2RSAB22RK20	EPIC MC05C2RSAB22RK20
		7433501078	7433501080	7433501106	7433501108
	5 m	EPIC MC05C2LSAB22CK50	EPIC MC05C2LSAB22RK50	EPIC MC05C2RSAB22RK50	EPIC MC05C2RSAB22RK50
		7433501079	7433501081	7433501107	7433501109
CAN/DVN	2 m	EPIC MC05C2LSAB24CK20-DVN	EPIC MC05C2LSAB24RK20-DVN	EPIC MC05C2RSAB24RK20-DVN	EPIC MC05C2RSAB24RK20-DVN
		7433501082	7433501084	7433501110	7433501112
	5 m	EPIC MC05C2LSAB24CK50-DVN	EPIC MC05C2LSAB24RK50-DVN	EPIC MC05C2RSAB24RK50-DVN	EPIC MC05C2RSAB24RK50-DVN
		7433501083	7433501085	7433501111	7433501113
8 Pin	2 m	EPIC MC08C2LSAB24CK20	EPIC MC08C2LSAB24RK20	EPIC MC08C2RSAB24RK20	EPIC MC08C2RSAB24RK20
		7433501086	7433501088	7433501114	7433501116
	5 m	EPIC MC08C2LSAB24CK50	EPIC MC08C2LSAB24RK50	EPIC MC08C2RSAB24RK50	EPIC MC08C2RSAB24RK50
		7433501087	7433501089	7433501115	7433501117
12 Pin	2 m	EPIC MC12C2LSAB26CK20	EPIC MC12C2LSAB26RK20	EPIC MC12C2RSAB26RK20	EPIC MC12C2RSAB26RK20
		7433501090	7433501092	7433501118	7433501120
	5 m	EPIC MC12C2LSAB26CK50	EPIC MC12C2LSAB26RK50	EPIC MC12C2RSAB26RK50	EPIC MC12C2RSAB26RK50
		7433501091	7433501093	7433501119	7433501121
17 Pin	2 m	EPIC MC17C2LSAB26CK20	EPIC MC17C2LSAB26RK20	EPIC MC17C2RSAB26RK20	EPIC MC17C2RSAB26RK20
		7433501094	7433501096	7433501122	7433501124
	5 m	EPIC MC17C2LSAB26CK50	EPIC MC17C2LSAB26RK50	EPIC MC17C2RSAB26RK50	EPIC MC17C2RSAB26RK50
		7433501095	7433501097	7433501123	7433501125

Cable's Color Coding & Wiring

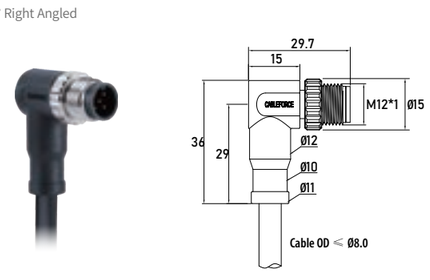
Poles & Wire Color Pin								
Pin 1	BN	BN	BN	PE	WH	WH	BN	13. WH/GN
Pin 2		WH	WH	RD	BN	BN	BU	14. BN/GN
Pin 3	BU	BU	BK	BK	GN	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	WH	YE	YE	GN	16. YE/BN
Pin 5			GY	BU	GY	GY	PK	17. WH/GY
Pin 6					PK	PK	YE	
Pin 7					BU	BU	BK	
Pin 8					RD	RD	GY	
Pin 9						OR	RD	
Pin 10						VT	VT	
Pin 11						BK	GY/PK	
Pin 12						LP	RD/BU	

M12 A-Code male connector, molded cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN/DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm² (AWG 22)				0.25mm²AWG24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	FKM Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

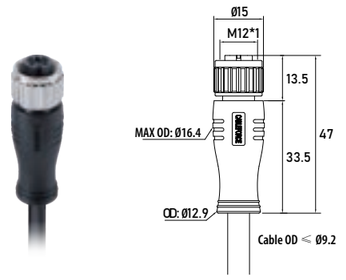
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC03C1LSASB22CK20	EPIC MC03C1LSASB22RK20	EPIC MC03C1RSASB22CK20	EPIC MC03C1RSASB22RK20
		7433501126	7433501128	7433501154	7433501156
	5 m	EPIC MC03C1LSASB22CK50	EPIC MC03C1LSASB22RK50	EPIC MC03C1RSASB22CK50	EPIC MC03C1RSASB22RK50
		7433501127	7433501129	7433501155	7433501157
4 Pin	2 m	EPIC MC04C1LSASB22CK20	EPIC MC04C1LSASB22RK20	EPIC MC04C1RSASB22CK20	EPIC MC04C1RSASB22RK20
		7433501130	7433501132	7433501158	7433501160
	5 m	EPIC MC04C1LSASB22CK50	EPIC MC04C1LSASB22RK50	EPIC MC04C1RSASB22CK50	EPIC MC04C1RSASB22RK50
		7433501131	7433501133	7433501159	7433501161
5 Pin	2 m	EPIC MC05C1LSASB22CK20	EPIC MC05C1LSASB22RK20	EPIC MC05C1RSASB22CK20	EPIC MC05C1RSASB22RK20
		7433501134	7433501136	7433501162	7433501164
	5 m	EPIC MC05C1LSASB22CK50	EPIC MC05C1LSASB22RK50	EPIC MC05C1RSASB22CK50	EPIC MC05C1RSASB22RK50
		7433501135	7433501137	7433501163	7433501165
CAN/DVN	2 m	EPIC DVN-MC05C1LSASB22CK2	EPIC DVN-MC05C1LSASB22RK20	EPIC DVN-MC05C1RSASB22CK2	EPIC DVN-MC05C1RSASB22RK20
		7433501138	7433501140	7433501166	7433501168
	5 m	EPIC DVN-MC05C1LSASB22CK5	EPIC DVN-MC05C1LSASB22RK50	EPIC DVN-MC05C1RSASB22CK5	EPIC DVN-MC05C1RSASB22RK50
		7433501139	7433501141	7433501167	7433501169
8 Pin	2 m	EPIC MC08C1LSASB24CK20	EPIC MC08C1LSASB24RK20	EPIC MC08C1RSASB24CK20	EPIC MC08C1RSASB24RK20
		7433501142	7433501144	7433501170	7433501172
	5 m	EPIC MC08C1LSASB24CK50	EPIC MC08C1LSASB24RK50	EPIC MC08C1RSASB24CK50	EPIC MC08C1RSASB24RK50
		7433501143	7433501145	7433501171	7433501173
12 Pin	2 m	EPIC MC12C1LSASB26CK20	EPIC MC12C1LSASB26RK20	EPIC MC12C1RSASB26CK20	EPIC MC12C1RSASB26RK20
		7433501146	7433501148	7433501174	7433501176
	5 m	EPIC MC12C1LSASB26CK50	EPIC MC12C1LSASB26RK50	EPIC MC12C1RSASB26CK50	EPIC MC12C1RSASB26RK50
		7433501147	7433501149	7433501175	7433501177
17 Pin	2 m	EPIC MC17C1LSASB26CK20	EPIC MC17C1LSASB26RK20	EPIC MC17C1RSASB26CK20	EPIC MC17C1RSASB26RK20
		7433501150	7433501152	7433501178	7433501180
	5 m	EPIC MC17C1LSASB26CK50	EPIC MC17C1LSASB26RK50	EPIC MC17C1RSASB26CK50	EPIC MC17C1RSASB26RK50
		7433501151	7433501153	7433501179	7433501181

Cable's Color Coding & Wiring

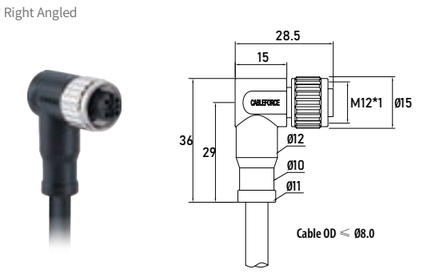
Poles & Wire Color Pin								
Pin 1	BN	BN	BN	PE	WH	WH	BN	13. WH/GN
Pin 2		WH	WH	RD	BN	BN	BU	14. BN/GN
Pin 3	BU	BU	BU	BK	GN	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	WH	YE	YE	GN	16. YE/BN
Pin 5			GY	BU	GY	GY	PK	17. WH/GY
Pin 6					PK	PK	YE	
Pin 7					BU	BU	BK	
Pin 8					RD	RD	GY	
Pin 9						OR	RD	
Pin 10						VT	VT	
Pin 11						BK	GY/PK	
Pin 12						LP	RD/BU	
Shell	Braid							

M12 A-Code female connector, molded cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN/DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V			30V	
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm² (AWG 22)				0.25mm²AWG24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC03C2LSASB22CK20	EPIC MC03C2LSASB22RK20	EPIC MC03C2RSASB22CK20	EPIC MC03C2RSASB22RK20
		7433501182	7433501184	7433501210	7433501212
	5 m	EPIC MC03C2LSASB22CK50	EPIC MC03C2LSASB22RK50	EPIC MC03C2RSASB22CK50	EPIC MC03C2RSASB22RK50
		7433501183	7433501185	7433501211	7433501213
4 Pin	2 m	EPIC MC04C2LSASB22CK20	EPIC MC04C2LSASB22RK20	EPIC MC04C2RSASB22CK20	EPIC MC04C2RSASB22RK20
		7433501186	7433501188	7433501214	7433501216
	5 m	EPIC MC04C2LSASB22CK50	EPIC MC04C2LSASB22RK50	EPIC MC04C2RSASB22CK50	EPIC MC04C2RSASB22RK50
		7433501187	7433501189	7433501215	7433501217
5 Pin	2 m	EPIC MC05C2LSASB22CK20	EPIC MC05C2LSASB22RK20	EPIC MC05C2RSASB22CK20	EPIC MC05C2RSASB22RK20
		7433501190	7433501192	7433501218	7433501220
	5 m	EPIC MC05C2LSASB22CK50	EPIC MC05C2LSASB22RK50	EPIC MC05C2RSASB22CK50	EPIC MC05C2RSASB22RK50
		7433501191	7433501193	7433501219	7433501221
CAN/DVN	2 m	EPIC DVN- MC05C2LSASB22CK20	EPIC DVN- MC05C2LSASB22RK20	EPIC DVN- MC05C2RSASB22CK20	EPIC DVN- MC05C2RSASB22RK20
		7433501194	7433501196	7433501222	7433501224
	5 m	EPIC DVN- MC05C2LSASB22CK50	EPIC DVN- MC05C2LSASB22RK50	EPIC DVN- MC05C2RSASB22CK50	EPIC DVN- MC05C2RSASB22RK50
		7433501195	7433501197	7433501223	7433501225
8 Pin	2 m	EPIC MC08C2LSASB24CK20	EPIC MC08C2LSASB24RK20	EPIC MC08C2RSASB24CK20	EPIC MC08C2RSASB24RK20
		7433501198	7433501200	7433501226	7433501228
	5 m	EPIC MC08C2LSASB24CK50	EPIC MC08C2LSASB24RK50	EPIC MC08C2RSASB24CK50	EPIC MC08C2RSASB24RK50
		7433501199	7433501201	7433501227	7433501229
12 Pin	2 m	EPIC MC12C2LSASB26CK20	EPIC MC12C2LSASB26RK20	EPIC MC12C2RSASB26CK20	EPIC MC12C2RSASB26RK20
		7433501202	7433501204	7433501230	7433501232
	5 m	EPIC MC12C2LSASB26CK50	EPIC MC12C2LSASB26RK50	EPIC MC12C2RSASB26CK50	EPIC MC12C2RSASB26RK50
		7433501203	7433501205	7433501231	7433501233
17 Pin	2 m	EPIC MC17C2LSASB26CK20	EPIC MC17C2LSASB26RK20	EPIC MC17C2RSASB26CK20	EPIC MC17C2RSASB26RK20
		7433501206	7433501208	7433501234	7433501236
	5 m	EPIC MC17C2LSASB26CK50	EPIC MC17C2LSASB26RK50	EPIC MC17C2RSASB26CK50	EPIC MC17C2RSASB26RK50
		7433501207	7433501209	7433501235	7433501237

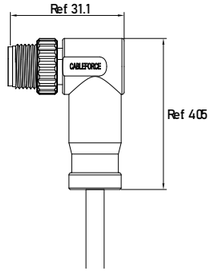
Cable's Color Coding & Wiring

Poles & Wire Color Pin								
Pin 1	BN	BN	BN	PE	WH	WH	BN	13. WH/GN
Pin 2		WH	WH	RD	BN	BN	BU	14. BN/GN
Pin 3	BU	BU	BU	BK	GN	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	WH	YE	YE	GN	16. YE/BN
Pin 5			GY	BU	GY	GY	PK	17. WH/GY
Pin 6					PK	PK	YE	
Pin 7					BU	BU	BK	
Pin 8					RD	RD	GY	
Pin 9						OR	RD	
Pin 10						VT	VT	
Pin 11						BK	GY/PK	
Pin 12						LP	RD/BU	
Shell	Braid							

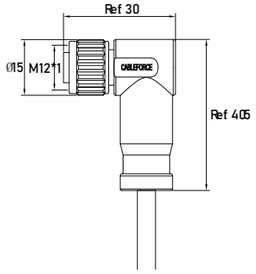
M12 A-Code

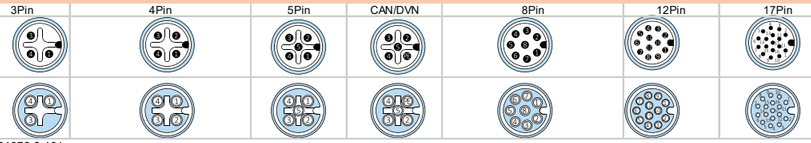
M12 A-Code male/ female connector, Right angled, Bigger Molding Size, EMI-Shielded

Male



Female



Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN/DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0mm screw M12						
Tightening Torque	Recommended： 0.6 Nm， Max: 1.0 Nm						
Termination	Soldering						
Wire gauge	0.34mm² (22AWG)				0.25mm²AWG24	0.14mm² (AWG 26)	
Rated temperature	Flexible : -25 ~ 80 ； Static: -40 ~ 80						
Insulation resistance	> 100MΩ						
Contact resistance	< 5mΩ						
Over-molding	PA66 + GF						
Contact carrier	Brass, CNC, nickel-plated						
Screw nut	Brass ，Phosphor bronze						
Contact	Au (Gold)						
Contacts plating	FKM Silicon						
O-ring	IP67, IP68, IP69K						
Protection degree	3						
Pollution degree	Non-Shielded						

Ordering No.					
Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1.0 m	EPIC MC03C1RSAB-22CK10-BM	EPIC MC03C1RSAB-22RK10-BM	EPIC MC03C2RSAB-22CK10-BM	EPIC MC03C2RSAB-22RK10-BM
		7433501238	7433501240	7433501262	7433501264
	2.0 m	EPIC MC03C1RSAB-22CK20-BM	EPIC MC03C1RSAB-22RK20-BM	EPIC MC03C2RSAB-22CK20-BM	EPIC MC03C2RSAB-22RK20-BM
		7433501239	7433501241	7433501263	7433501265
4 Pin	1.0 m	EPIC MC04C1RSAB-22CK10-BM	EPIC MC04C1RSAB-22RK10-BM	EPIC MC04C2RSAB-22CK10-BM	EPIC MC04C2RSAB-22RK10-BM
		7433501242	7433501244	7433501266	7433501268
	2.0 m	EPIC MC04C1RSAB-22CK20-BM	EPIC MC04C1RSAB-22RK20-BM	EPIC MC04C2RSAB-22CK20-BM	EPIC MC04C2RSAB-22RK20-BM
		7433501243	7433501245	7433501267	7433501269
5 Pin	1.0 m	EPIC MC05C1RSAB-22CK10-BM	EPIC MC05C1RSAB-22RK10-BM	EPIC MC05C2RSAB-22CK10-BM	EPIC MC05C2RSAB-22RK10-BM
		7433501246	7433501248	7433501270	7433501272
	2.0 m	EPIC MC05C1RSAB-22CK20-BM	EPIC MC05C1RSAB-22RK20-BM	EPIC MC05C2RSAB-22CK20-BM	EPIC MC05C2RSAB-22RK20-BM
		7433501247	7433501249	7433501271	7433501273
8Pin	1.0 m	EPIC MC08C1RSAB-24CK10-BM	EPIC MC08C1RSAB-24RK10-BM	EPIC MC08C2RSAB-24CK10-BM	EPIC MC08C2RSAB-24RK10-BM
		7433501250	7433501252	7433501274	7433501276
	2.0 m	EPIC MC08C1RSAB-24CK20-BM	EPIC MC08C1RSAB-24RK20-BM	EPIC MC08C2RSAB-24CK20-BM	EPIC MC08C2RSAB-24RK20-BM
		7433501251	7433501253	7433501275	7433501277
12Pin	1.0 m	EPIC MC12C1RSAB-26CK10-BM	EPIC MC12C1RSAB-26RK10-BM	EPIC MC12C2RSAB-26CK10-BM	EPIC MC12C2RSAB-26RK10-BM
		7433501254	7433501256	7433501278	7433501280
	2.0 m	EPIC MC12C1RSAB-26CK20-BM	EPIC MC12C1RSAB-26RK20-BM	EPIC MC12C2RSAB-26CK20-BM	EPIC MC12C2RSAB-26RK20-BM
		7433501255	7433501257	7433501279	7433501281
17Pin	1.0 m	EPIC MC17C1RSAB-26CK10-BM	EPIC MC17C1RSAB-26RK10-BM	EPIC MC17C2RSAB-26CK10-BM	EPIC MC17C2RSAB-26RK10-BM
		7433501258	7433501260	7433501282	7433501284
	2.0 m	EPIC MC17C1RSAB-26CK20-BM	EPIC MC17C1RSAB-26RK20-BM	EPIC MC17C2RSAB-26CK20-BM	EPIC MC17C2RSAB-26RK20-BM
		7433501259	7433501261	7433501283	7433501285

Cable's Color Coding & Wiring

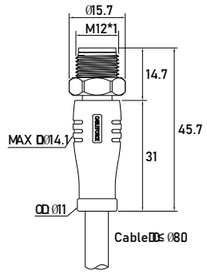
Poles & Wire Color Pin						
Pin 1	BN	BN	BN	PE	WH	WH 12.LP
Pin 2		WH	WH	RD	BN	BN
Pin 3	BU	BU	BU	BK	GN	GN
Pin 4	BK	BK	BK	WH	YE	YE
Pin 5			GY	BU	GY	GY
Pin 6					PK	PK
Pin 7					BU	BU
Pin 8					RD	RD
Pin 9						OR
Pin 10						VT
Pin 11						BK

Poles & Wire Color Pin								
Pin 1	BN	BN	BN	PE	WH	WH	12.LP	BN 12. RD/BU
Pin 2		WH	WH	RD	BN	BN		BU 13.WH/GN
Pin 3	BU	BU	BU	BK	GN	GN		WH 14.BN/GN
Pin 4	BK	BK	BK	WH	YE	GN		WH 15.WH/YE
Pin 5			GY	BU	GY	GY		PK 16.YE/BN
Pin 6					PK	PK		YE 17.WH/GY
Pin 7					BU	BU		BK
Pin 8					RD	RD		GY
Pin 9						OR		RD
Pin 10						VT		VT
Pin 11						BK		GY/PK

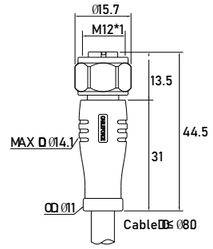
M12 Stainless Steel

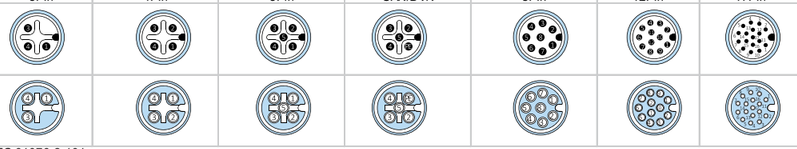
M12 A-Code male/Femal connector, molded with SUS 316# Stainless Steel Screws, free end

Male 公头



Female 母头



Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN/DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend： 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm² (22AWG)				0.25mm²AWG24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	SUS 316# Stainless Steel						
Contact	Brass， Phosphor bronze ，						
Contacts plating	Au (Gold)						
O-ring	FKM Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

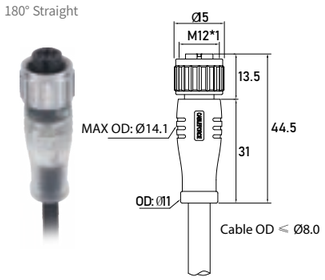
Ordering No.					
Poles	Cable length	PVC (Cable)		PUR (Cable)	
		Male Straight	Female Straight	Male Straight	Female Straight
3 Pin	2 m	EPIC MC03C1LSASS22CK20	EPIC MC03C2LSASS22CK20	EPIC MC03C1LSASS22RK20	EPIC MC03C2LSASS22RK20
		7433501286	7433501288	7433501310	7433501312
	5 m	EPIC MC03C1LSASS22CK50	EPIC MC03C2LSASS22CK50	EPIC MC03C1LSASS22RK50	EPIC MC03C2LSASS22RK50
		7433501287	7433501289	7433501311	7433501313
4 Pin	2 m	EPIC MC04C1LSASS22CK20	EPIC MC04C2LSASS22CK20	EPIC MC04C1LSASS22RK20	EPIC MC04C2LSASS22RK20
		7433501290	7433501292	7433501314	7433501316
	5 m	EPIC MC04C1LSASS22CK50	EPIC MC04C2LSASS22CK50	EPIC MC04C1LSASS22RK50	EPIC MC04C2LSASS22RK50
		7433501291	7433501293	7433501315	7433501317
5 Pin	2 m	EPIC MC05C1LSASS22CK20	EPIC MC05C2LSASS22CK20	EPIC MC05C1LSASS22RK20	EPIC MC05C2LSASS22RK20
		7433501294	7433501296	7433501318	7433501320
	5 m	EPIC MC05C1LSASS22CK50	EPIC MC05C2LSASS22CK50	EPIC MC05C1LSASS22RK50	EPIC MC05C2LSASS22RK50
		7433501295	7433501297	7433501319	7433501321
8Pin	2 m	EPIC MC08C1LSASS24CK20	EPIC MC08C2LSASS24CK20	EPIC MC08C1LSASS24RK20	EPIC MC08C2LSASS24RK20
		7433501298	7433501300	7433501322	7433501324
	5 m	EPIC MC08C1LSASS24CK50	EPIC MC08C2LSASS24CK50	EPIC MC08C1LSASS24RK50	EPIC MC08C2LSASS24RK50
		7433501299	7433501301	7433501323	7433501325
12Pin	2 m	EPIC MC12C1LSASS26CK20	EPIC MC12C2LSASS26CK20	EPIC MC12C1LSASS26RK20	EPIC MC12C2LSASS26RK20
		7433501302	7433501304	7433501326	7433501328
	5 m	EPIC MC12C1LSASS26CK50	EPIC MC12C2LSASS26CK50	EPIC MC12C1LSASS26RK50	EPIC MC12C2LSASS26RK50
		7433501303	7433501305	7433501327	7433501329
17Pin	2 m	EPIC MC17C1LSASS26CK20	EPIC MC17C2LSASS26CK20	EPIC MC17C1LSASS26RK20	EPIC MC17C2LSASS26RK20
		7433501306	7433501308	7433501330	7433501332
	5 m	EPIC MC17C1LSASS26CK50	EPIC MC17C2LSASS26CK50	EPIC MC17C1LSASS26RK50	EPIC MC17C2LSASS26RK50
		7433501307	7433501309	7433501331	7433501333

Cable's Color Coding & Wiring

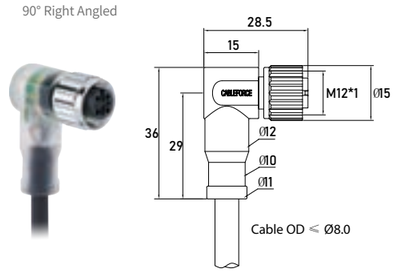
Poles & Wire Color Pin								
Pin 1	BN	BN	BN	PE	WH	WH	12.LP	BN 12. RD/BU
Pin 2		WH	WH	RD	BN	BN		BU 13.WH/GN
Pin 3	BU	BU	BU	BK	GN	GN		WH 14.BN/GN
Pin 4	BK	BK	BK	WH	YE	YE		GN 15.WH/YE
Pin 5			GY	BU	GY	GY		PK 16.YE/BN
Pin 6					PK	PK		YE 17.WH/GY
Pin 7					BU	BU		BK
Pin 8					RD	RD		GY
Pin 9						OR		RD
Pin 10						VT		VT
Pin 11						BK		GY/PK

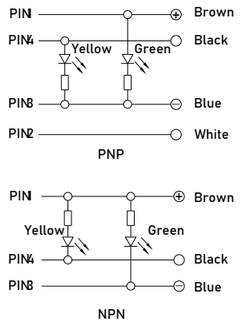
M12 Female connector, molded with LED Display, free end

180° Straight



90° Right Angled





Connector Technical data			
Contacts No.	3 Pin	4 Pin	5 Pin
Front View			
Reference standard	IEC 61076-2-101		
Rated current	4A		
Rated voltage	12V		
Locking system	M12 x 1.0mm screw M12		
Tightening torque	Recommended： 0.4 Nm，Max： 0.8 Nm		
Termination	Soldering		
Wire gauge	0.34mm² (22AWG)		
Rated termperature	Flexible : -25 ~ 80°C; Static: -40 ~ 80°C		
Insulation resistance	＞100MΩ		
Contact resistance	＜5mΩ		
Over-molding	TPU		
Contacts carrier	TPU + GF		
Screw nut	PA66 + GF		
Contacts	Phosphor bronze		
Contacts plating	Au (Gold)		
O-Ring	FKM Silicon		
Protection degree	IP67, IP68, IP69K		
Pollution degree	3		
EMC Shielding	Non-Shielded		

Ordering No.

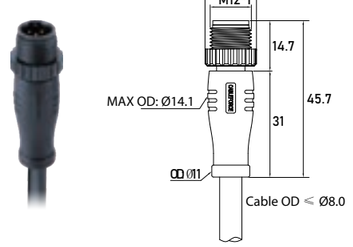
Poles	Cable length	180° Straight				90° Right Angled			
		PVC (Cable)		PUR (Cable)		PVC (Cable)		PUR (Cable)	
		PNP	NPN	PNP	NPN	PNP	NPN	PNP	NPN
3 Pin	1 m	EPIC MC03C2LSAPNB-22CK10	EPIC MC03C2LSANPB-22CK10	EPIC MC03C2LSAPNB-22RK10	EPIC MC03C2LSANPB-22RK10	EPIC MC02C2RSAPNB22CK10	EPIC MC02C2RSANPB22CK10	EPIC MC02C2RSAPNB22RK10	EPIC MC02C2RSANPB22RK10
		7433501334	7433501338	7433501342	7433501346	7433501382	7433501386	7433501390	7433501394
	2 m	EPIC MC03C2LSAPNB-22CK20	EPIC MC03C2LSANPB-22CK20	EPIC MC03C2LSAPNB-22RK20	EPIC MC03C2LSANPB-22RK20	EPIC MC02C2RSAPNB22CK20	EPIC MC02C2RSANPB22CK20	EPIC MC02C2RSAPNB22RK20	EPIC MC02C2RSANPB22RK20
		7433501335	7433501339	7433501343	7433501347	7433501383	7433501387	7433501391	7433501395
	3 m	EPIC MC03C2LSAPNB-22CK30	EPIC MC03C2LSANPB-22CK30	EPIC MC03C2LSAPNB-22RK30	EPIC MC03C2LSANPB-22RK30	EPIC MC02C2RSAPNB22CK30	EPIC MC02C2RSANPB22CK30	EPIC MC02C2RSAPNB22RK30	EPIC MC02C2RSANPB22RK30
		7433501336	7433501340	7433501344	7433501348	7433501384	7433501388	7433501392	7433501396
	5 m	EPIC MC03C2LSAPNB-22CK50	EPIC MC03C2LSANPB-22CK50	EPIC MC03C2LSAPNB-22RK50	EPIC MC03C2LSANPB-22RK50	EPIC MC02C2RSAPNB22CK50	EPIC MC02C2RSANPB22CK50	EPIC MC02C2RSAPNB22RK50	EPIC MC02C2RSANPB22RK50
		7433501337	7433501341	7433501345	7433501349	7433501385	7433501389	7433501393	7433501397
4 Pin	1 m	EPIC MC04C2LSAPNB-22CK10	EPIC MC03C2LSANPB-22CK10	EPIC MC04C2LSAPNB-22RK10	EPIC MC03C2LSANPB-22RK10	EPIC MC03C2RSAPNB22CK10	EPIC MC03C2RSANPB22CK10	EPIC MC03C2RSAPNB22RK10	EPIC MC03C2RSANPB22RK10
		7433501350	7433501354	7433501358	7433501362	7433501398	7433501402	7433501406	7433501410
	2 m	EPIC MC04C2LSAPNB-22CK20	EPIC MC03C2LSANPB-22CK20	EPIC MC04C2LSAPNB-22RK20	EPIC MC03C2LSANPB-22RK20	EPIC MC03C2RSAPNB22CK20	EPIC MC03C2RSANPB22CK20	EPIC MC03C2RSAPNB22RK20	EPIC MC03C2RSANPB22RK20
		7433501351	7433501355	7433501359	7433501363	7433501399	7433501403	7433501407	7433501411
	3 m	EPIC MC04C2LSAPNB-22CK30	EPIC MC04C2LSANPB-22CK30	EPIC MC04C2LSAPNB-22RK30	EPIC MC04C2LSANPB-22RK30	EPIC MC03C2RSAPNB22CK30	EPIC MC03C2RSANPB22CK30	EPIC MC03C2RSAPNB22RK30	EPIC MC03C2RSANPB22RK30
		7433501352	7433501356	7433501360	7433501364	7433501400	7433501404	7433501408	7433501412
	5 m	EPIC MC04C2LSAPNB-22CK50	EPIC MC04C2LSANPB-22CK50	EPIC MC04C2LSAPNB-22RK50	EPIC MC04C2LSANPB-22RK50	EPIC MC03C2RSAPNB22CK50	EPIC MC03C2RSANPB22CK50	EPIC MC03C2RSAPNB22RK50	EPIC MC03C2RSANPB22RK50
		7433501353	7433501357	7433501361	7433501365	7433501401	7433501405	7433501409	7433501413
5 Pin	1 m	EPIC MC05C2LSAPNB-22CK10	EPIC MC05C2LSANPB-22CK10	EPIC MC05C2LSAPNB-22RK10	EPIC MC05C2LSANPB-22RK10	EPIC MC04C2RSAPNB22CK10	EPIC MC04C2RSANPB22CK10	EPIC MC04C2RSAPNB22RK10	EPIC MC04C2RSANPB22RK10
		7433501366	7433501370	7433501374	7433501378	7433501414	7433501418	7433501422	7433501426
	2 m	EPIC MC05C2LSAPNB-22CK20	EPIC MC05C2LSANPB-22CK20	EPIC MC05C2LSAPNB-22RK20	EPIC MC05C2LSANPB-22RK20	EPIC MC04C2RSAPNB22CK20	EPIC MC04C2RSANPB22CK20	EPIC MC04C2RSAPNB22RK20	EPIC MC04C2RSANPB22RK20
		7433501367	7433501371	7433501375	7433501379	7433501415	7433501419	7433501423	7433501427
	3 m	EPIC MC05C2LSAPNB-22CK30	EPIC MC05C2LSANPB-22CK30	EPIC MC05C2LSAPNB-22RK30	EPIC MC05C2LSANPB-22RK30	EPIC MC04C2RSAPNB22CK30	EPIC MC04C2RSANPB22CK30	EPIC MC04C2RSAPNB22RK30	EPIC MC04C2RSANPB22RK30
		7433501368	7433501372	7433501376	7433501380	7433501416	7433501420	7433501424	7433501428
	5 m	EPIC MC05C2LSAPNB-22CK50	EPIC MC05C2LSANPB-22CK50	EPIC MC05C2LSAPNB-22RK50	EPIC MC05C2LSANPB-22RK50	EPIC MC04C2RSAPNB22CK50	EPIC MC04C2RSANPB22CK50	EPIC MC04C2RSAPNB22RK50	EPIC MC04C2RSANPB22RK50
		7433501369	7433501373	7433501377	7433501381	7433501417	7433501421	7433501425	7433501429

Cable's Color Coding & Wiring

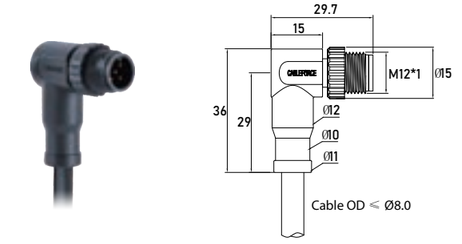
Poles & Wire Color Pin			
Pin 1	BN	BN	BN
Pin 2		WH	WH
Pin 3	BU	BU	BU
Pin 4	BK	BK	BK
Pin 5			GY

M12 A-Code male connector, molded cable, Plastic Screws , free end

180° Straight



90° Right Angled



Connector Technical data							
Contacts No. Pin	3Pin	4Pin	5Pin	CAN/DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm² (22AWG)				0.25mm²AWG24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	PA66+GF						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	FKM Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

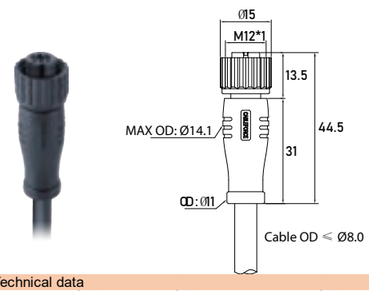
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC03C1LSAP22CK20	EPIC MC03C1LSAP22RK20	EPIC MC03C1RSAP22CK20	EPIC MC03C1RSAP22RK20
		7433501430	7433501432	7433501458	7433501460
	5 m	EPIC MC03C1LSAP22CK50	EPIC MC03C1LSAP22RK50	EPIC MC03C1RSAP22CK50	EPIC MC03C1RSAP22RK50
		7433501431	7433501433	7433501459	7433501461
4 Pin	2 m	EPIC MC04C1LSAP22CK20	EPIC MC04C1LSAP22RK20	EPIC MC04C1RSAP22CK20	EPIC MC04C1RSAP22RK20
		7433501434	7433501436	7433501462	7433501464
	5 m	EPIC MC04C1LSAP22CK50	EPIC MC04C1LSAP22RK50	EPIC MC04C1RSAP22CK50	EPIC MC04C1RSAP22RK50
		7433501435	7433501437	7433501463	7433501465
5 Pin	2 m	EPIC MC05C1LSAP22CK20	EPIC MC05C1LSAP22RK20	EPIC MC05C1RSAP22CK20	EPIC MC05C1RSAP22RK20
		7433501438	7433501440	7433501466	7433501468
	5 m	EPIC MC05C1LSAP22CK50	EPIC MC05C1LSAP22RK50	EPIC MC05C1RSAP22CK50	EPIC MC05C1RSAP22RK50
		7433501439	7433501441	7433501467	7433501469
NMEA 2000	2 m	EPIC MC05C1LSAP24CK20-N2K	EPIC MC05C1LSAP24RK20-N2K	EPIC MC05C1RSAP24CK20-N2K	EPIC MC05C1RSAP24RK20-N2K
		7433501442	7433501444	7433501470	7433501472
	5 m	EPIC MC05C1LSAP24CK50-N2K	EPIC MC05C1LSAP24RK50-N2K	EPIC MC05C1RSAP24CK50-N2K	EPIC MC05C1RSAP24RK50-N2K
		7433501443	7433501445	7433501471	7433501473
8 Pin	2 m	EPIC MC08C1LSAP24CK20	EPIC MC08C1LSAP24RK20	EPIC MC08C1RSAP24CK20	EPIC MC08C1RSAP24RK20
		7433501446	7433501448	7433501474	7433501476
	5 m	EPIC MC08C1LSAP24CK50	EPIC MC08C1LSAP24RK50	EPIC MC08C1RSAP24CK50	EPIC MC08C1RSAP24RK50
		7433501447	7433501449	7433501475	7433501477
12 Pin	2 m	EPIC MC12C1LSAP26CK20	EPIC MC12C1LSAP26RK20	EPIC MC12C1RSAP26CK20	EPIC MC12C1RSAP26RK20
		7433501450	7433501452	7433501478	7433501480
	5 m	EPIC MC12C1LSAP26CK50	EPIC MC12C1LSAP26RK50	EPIC MC12C1RSAP26CK50	EPIC MC12C1RSAP26RK50
		7433501451	7433501453	7433501479	7433501481
17 Pin	2 m	EPIC MC17C1LSAP26CK20	EPIC MC17C1LSAP26RK20	EPIC MC17C1RSAP26CK20	EPIC MC17C1RSAP26RK20
		7433501454	7433501456	7433501482	7433501484
	5 m	EPIC MC17C1LSAP26CK50	EPIC MC17C1LSAP26RK50	EPIC MC17C1RSAP26CK50	EPIC MC17C1RSAP26RK50
		7433501455	7433501457	7433501483	7433501485

Cable's Color Coding & Wiring

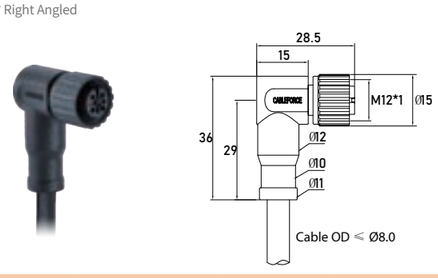
Poles & Wire Color Pin								
Pin 1	BN	BN	BN	PE	WH	WH	BN	13. WH/GI
Pin 2		WH	WH	RD	BN	BN	BU	14. BN/GN
Pin 3	BU	BU	BU	BK	GN	GN	WH	15. WH/YI
Pin 4	BK	BK	BK	WH	YE	YE	GN	16. YE/BN
Pin 5			GY	BU	GY	GY	PK	17. WH/G
Pin 6					PK	PK	YE	
Pin 7					BU	BU	BK	
Pin 8					RD	RD	GY	
Pin 9						OR	RD	
Pin 10						VT	VT	
Pin 11						BK	GY/PK	
Pin 12						LP	RD/BU	

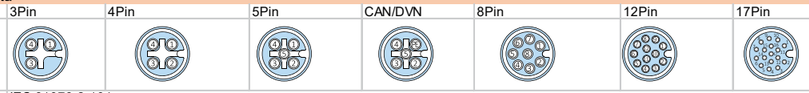
M12 A-Code female connector, molded cable, Plastic Screws , free end

180° Straight



90° Right Angled



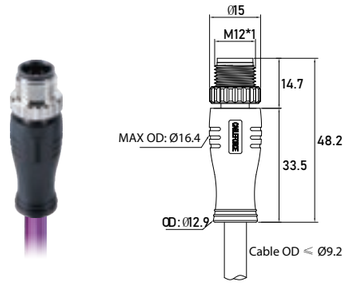
Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN/DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm² (22AWG)				0.25mm²AWG24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	PA66+GF						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC03C2LSAP22CK20	EPIC MC03C2LSAP22RK20	EPIC MC03C2RSAP22CK20	EPIC MC03C2RSAP22RK20
		7433501486	7433501488	7433501514	7433501516
	5 m	EPIC MC03C2LSAP22CK50	EPIC MC03C2LSAP22RK50	EPIC MC03C2RSAP22CK50	EPIC MC03C2RSAP22RK50
		7433501487	7433501489	7433501515	7433501517
4 Pin	2 m	EPIC MC04C2LSAP22CK20	EPIC MC04C2LSAP22RK20	EPIC MC04C2RSAP22CK20	EPIC MC04C2RSAP22RK20
		7433501490	7433501492	7433501518	7433501520
	5 m	EPIC MC04C2LSAP22CK50	EPIC MC04C2LSAP22RK50	EPIC MC04C2RSAP22CK50	EPIC MC04C2RSAP22RK50
		7433501491	7433501493	7433501519	7433501521
5 Pin	2 m	EPIC MC05C2LSAP22CK20	EPIC MC05C2LSAP22RK20	EPIC MC05C2RSAP22CK20	EPIC MC05C2RSAP22RK20
		7433501494	7433501496	7433501522	7433501524
	5 m	EPIC MC05C2LSAP22CK50	EPIC MC05C2LSAP22RK50	EPIC MC05C2RSAP22CK50	EPIC MC05C2RSAP22RK50
		7433501495	7433501497	7433501523	7433501525
NMEA 2000	2 m	'IC MC05C2LSAP24CK20-N	EPIC MC05C2LSAP24RK20-N2K	'IC MC05C2RSAP24CK20-N	EPIC MC05C2RSAP24RK20-N2K
		7433501498	7433501500	7433501526	7433501528
	5 m	'IC MC05C2LSAP24CK50-N	EPIC MC05C2LSAP24RK50-N2K	'IC MC05C2RSAP24CK50-N	EPIC MC05C2RSAP24RK50-N2K
		7433501499	7433501501	7433501527	7433501529
8 Pin	2 m	EPIC MC08C2LSAP24CK20	EPIC MC08C2LSAP24RK20	EPIC MC08C2RSAP24CK20	EPIC MC08C2RSAP24RK20
		7433501502	7433501504	7433501530	7433501532
	5 m	EPIC MC08C2LSAP24CK50	EPIC MC08C2LSAP24RK50	EPIC MC08C2RSAP24CK50	EPIC MC08C2RSAP24RK50
		7433501503	7433501505	7433501531	7433501533
12 Pin	2 m	EPIC MC12C2LSAP26CK20	EPIC MC12C2LSAP26RK20	EPIC MC12C2RSAP26CK20	EPIC MC12C2RSAP26RK20
		7433501506	7433501508	7433501534	7433501536
	5 m	EPIC MC12C2LSAP26CK50	EPIC MC12C2LSAP26RK50	EPIC MC12C2RSAP26CK50	EPIC MC12C2RSAP26RK50
		7433501507	7433501509	7433501535	7433501537
17 Pin	2 m	EPIC MC17C2LSAP26CK20	EPIC MC17C2LSAP26RK20	EPIC MC17C2RSAP26CK20	EPIC MC17C2RSAP26RK20
		7433501510	7433501512	7433501538	7433501540
	5 m	EPIC MC17C2LSAP26CK50	EPIC MC17C2LSAP26RK50	EPIC MC17C2RSAP26CK50	EPIC MC17C2RSAP26RK50
		7433501511	7433501513	7433501539	7433501541

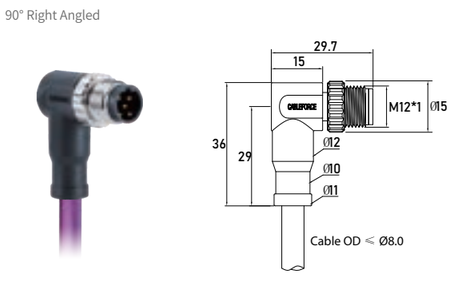
Cable's Color Coding & Wiring								
Poles & Wire Color								
Pin 1	BN	BN	BN	PE	WH	WH	BN	13. WH/GN
Pin 2		WH	WH	RD	BN	BN	BU	14. BN/GN
Pin 3	BU	BU	BU	BK	GN	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	WH	YE	YE	GN	16. YE/BN
Pin 5			GY	BU	GY	GY	PK	17. WH/GY
Pin 6					PK	PK	YE	
Pin 7					BU	BU	BK	
Pin 8					RD	RD	GY	
Pin 9						OR	RD	
Pin 10						VT	VT	
Pin 11						BK	GY/PK	
Pin 12						LP	RD/BU	

M12 B-Code male connector, molded cable, EMI-Shielded, free end

180° Straight



90° Right Angled



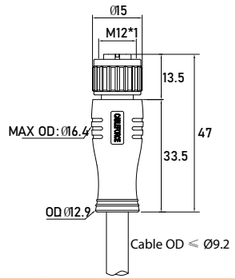
Connector Technical data	
Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.			
Poles	Cable length	180° Straight	90° Right Angled
		PUR (Cable)	PUR (Cable)
5Pin	1 m	EPIC MC05C1LSBSB22RV10-PFB	EPIC MC05C1RSBSB22RV10-PFB
		7433501542	7433501547
	3 m	EPIC MC05C1LSBSB22RV30-PFB	EPIC MC05C1RSBSB22RV30-PFB
		7433501543	7433501548
	5 m	EPIC MC05C1LSBSB22RV50-PFB	EPIC MC05C1RSBSB22RV50-PFB
		7433501544	7433501549
	10 m	EPIC MC05C1LSBSB22RV100-PFB	EPIC MC05C1RSBSB22RV100-PFB
		7433501545	7433501550
	15 m	EPIC MC05C1LSBSB22RV150-PFB	EPIC MC05C1RSBSB22RV150-PFB
		7433501546	7433501551

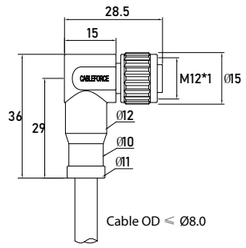
Cable's Color Coding & Wiring		
Poles & Wire Color Pin	Profibus DP	
Pin 1	NG	BN
Pin 2	GN	WH
Pin 3	NG	BU
Pin 4	RD	BK
Pin 5	NG	GY
Shell	Braid	Braid

M12 B-Code female connector, molded cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data

Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

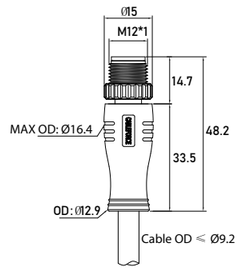
Poles	Cable length	180° Straight	90° Right Angled
		PUR (Cable)	PUR (Cable)
5Pin	1 m	EPIC MC05C2LSBSB22RV10-PFB	EPIC MC05C2RSBSB22RV10-PFB
		7433501552	7433501557
	3 m	EPIC MC05C2LSBSB22RV30-PFB	EPIC MC05C2RSBSB22RV30-PFB
		7433501553	7433501558
	5 m	EPIC MC05C2LSBSB22RV50-PFB	EPIC MC05C2RSBSB22RV50-PFB
		7433501554	7433501559
	10 m	EPIC MC05C2LSBSB22RV100-PFB	EPIC MC05C2RSBSB22RV100-PFB
		7433501555	7433501560
	15 m	EPIC MC05C2LSBSB22RV150-PFB	EPIC MC05C2RSBSB22RV150-PFB
		7433501556	7433501561

Cable's Color Coding & Wiring

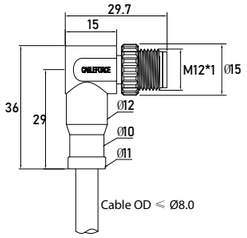
Poles & Wire Color Pin	Profibus DP	
Pin 1	NG	BN
Pin 2	GN	WH
Pin 3	NG	BU
Pin 4	RD	BK
Pin 5	NG	GY
Shell	Braid	Braid

M12 Male Connector, Molded Cable, Un-shielded, Free End

180° Straight



90° Right Angled



Connector Technical data

Contacts No.	3 Pin (2+PE)	4 Pin (3+PE)	5 Pin (4+PE)	6 Pin (5+PE)
Front View				
Reference standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	250V			
Impulse voltage	2500V			
Locking system	M12 x 1.0mm screw M12			
Tightening torque	Recommended : 0.4 Nm, Max: 0.8 Nm			
Termination	Soldering			
Wire gauge	0.34~0.14mm² (22~26AWG)			
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	PA66 + GF			
Screw nut	Brass, CNC, nickel-plated			
Contacts	Brass ()			
Contacts plating	Au (Gold)			
O-Ring	FKM Silicon			
Protection degree	IP67, IP68, IP69K			
Pollution degree	3			
EMC Shielding	Non-Shielded			

Ordering No.

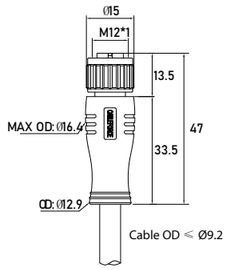
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin (2+PE)	2 m	EPIC MC03C1LSCB-22CK20	EPIC MC03C1LSCB-22RK20	EPIC MC03C1RSCB-22CK20	EPIC MC03C1RSCB-22RK20
	5 m	EPIC MC03C1LSCB-22CK50	EPIC MC03C1LSCB-22RK50	EPIC MC03C1RSCB-22CK50	EPIC MC03C1RSCB-22RK50
4 Pin (3+PE)	2 m	EPIC MC04C1LSCB-22CK20	EPIC MC04C1LSCB-22RK20	EPIC MC04C1RSCB-22CK20	EPIC MC04C1RSCB-22RK20
	5 m	EPIC MC04C1LSCB-22CK50	EPIC MC04C1LSCB-22RK50	EPIC MC04C1RSCB-22CK50	EPIC MC04C1RSCB-22RK50
5 Pin (4+PE)	2 m	EPIC MC05C1LSCB-24CK20	EPIC MC05C1LSCB-24RK20	EPIC MC05C1RSCB-24CK20	EPIC MC05C1RSCB-24RK20
	5 m	EPIC MC05C1LSCB-24CK50	EPIC MC05C1LSCB-24RK50	EPIC MC05C1RSCB-24CK50	EPIC MC05C1RSCB-24RK50
6 Pin (5+PE)	2 m	EPIC MC06C1LSCB-26CK20	EPIC MC06C1LSCB-26RK20	EPIC MC06C1RSCB-26CK20	EPIC MC06C1RSCB-26RK20
	5 m	EPIC MC06C1LSCB-26CK50	EPIC MC06C1LSCB-26RK50	EPIC MC06C1RSCB-26CK50	EPIC MC06C1RSCB-26RK50

Cable's Color Coding & Wiring

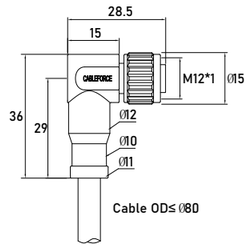
Poles & Wire Color Pin				
Pin 1	BN	BN	BN	BN
Pin 2	BU	WH	WH	BU
Pin 3	BK	BU	BU	BK
Pin 4		BK	BK	BK
Pin 5			GY	GY
Pin 6				PK

M12 Female Connector, Molded Cable, Un-shielded, Free End

180° Straight



90° Right Angled



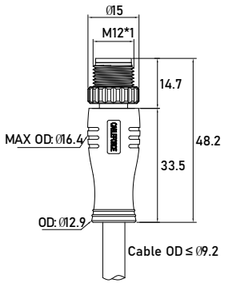
Connector Technical data				
Contacts No.	3 Pin (2+PE)	4 Pin (3+PE)	5 Pin (4+PE)	6 Pin (5+PE)
Front View				
Reference standard	IEC 61076-2-101			
Rated current	4A	2A	2A	
Rated voltage	250V	60V	30V	
Impulse voltage	2500V	1500V	800V	
Locking system	M12 x 1.0mm screw M12			
Tightening torque	Recommended : 0.4 Nm, Max: 0.8 Nm			
Termination	Soldering			
Wire gauge	0.34~0.14mm² (22~26AWG)			
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	PA66 + GF			
Screw nut	Brass, CNC, nickel-plated			
Contacts	Phosphor bronze ( )			
Contacts plating	Au (Gold)			
O-Ring	FKM Silicon			
Protection degree	IP67, IP68, IP69K			
Pollution degree	3			
EMC Shielding	Non-Shielded			

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin (2+PE)	2 m	EPIC MC03C2LSCB-22CK20	EPIC MC03C2LSCB-22RK20	EPIC MC03C2RSCB-22CK20	EPIC MC03C2RSCB-22RK20
	5 m	EPIC MC03C2LSCB-22CK50	EPIC MC03C2LSCB-22RK50	EPIC MC03C2RSCB-22CK50	EPIC MC03C2RSCB-22RK50
4 Pin (3+PE)	2 m	EPIC MC04C2LSCB-22CK20	EPIC MC04C2LSCB-22RK20	EPIC MC04C2RSCB-22CK20	EPIC MC04C2RSCB-22RK20
	5 m	EPIC MC04C2LSCB-22CK50	EPIC MC04C2LSCB-22RK50	EPIC MC04C2RSCB-22CK50	EPIC MC04C2RSCB-22RK50
5 Pin (4+PE)	2 m	EPIC MC05C2LSCB-24CK20	EPIC MC05C2LSCB-24RK20	EPIC MC05C2RSCB-24CK20	EPIC MC05C2RSCB-24RK20
	5 m	EPIC MC05C2LSCB-24CK50	EPIC MC05C2LSCB-24RK50	EPIC MC05C2RSCB-24CK50	EPIC MC05C2RSCB-24RK50
6 Pin (5+PE)	2 m	EPIC MC06C2LSCB-26CK20	EPIC MC06C2LSCB-26RK20	EPIC MC06C2RSCB-26CK20	EPIC MC06C2RSCB-26RK20
	5 m	EPIC MC06C2LSCB-26CK50	EPIC MC06C2LSCB-26RK50	EPIC MC06C2RSCB-26CK50	EPIC MC06C2RSCB-26RK50

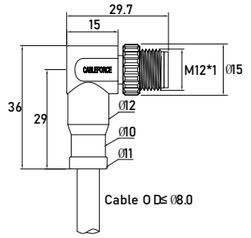
Cable's Color Coding & Wiring				
Poles & Wire Color Pin				
Pin 1	BN	BN	BN	BN
Pin 2	BU	WH	WH	WH
Pin 3	BK	BU	BU	BU
Pin 4		BK	BK	BK
Pin 5			GY	GY
Pin 6				PK

M12 D-Code male connector, molded with Cat 5e S/FTP ethernet cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

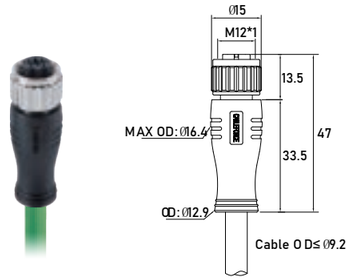
Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C1LSDSB22CG10-PFN	EPIC MC04C1LSDSB22RG10-PFN	EPIC MC04C1RSDSB22CG10-PFN	EPIC MC04C1RSDSB22RG10-PFN
		7433501562	7433501568	7433501574	7433501580
	2 m	EPIC MC04C1LSDSB22CG20-PFN	EPIC MC04C1LSDSB22RG20-PFN	EPIC MC04C1RSDSB22CG20-PFN	EPIC MC04C1RSDSB22RG20-PFN
		7433501563	7433501569	7433501575	7433501581
	3 m	EPIC MC04C1LSDSB22CG30-PFN	EPIC MC04C1LSDSB22RG30-PFN	EPIC MC04C1RSDSB22CG30-PFN	EPIC MC04C1RSDSB22RG30-PFN
		7433501564	7433501570	7433501576	7433501582
	5 m	EPIC MC04C1LSDSB22CG50-PFN	EPIC MC04C1LSDSB22RG50-PFN	EPIC MC04C1RSDSB22CG50-PFN	EPIC MC04C1RSDSB22RG50-PFN
		7433501565	7433501571	7433501577	7433501583
	10 m	EPIC MC04C1LSDSB22CG100-PFN	EPIC MC04C1LSDSB22RG100-PFN	EPIC MC04C1RSDSB22CG100-PFN	EPIC MC04C1RSDSB22RG100-PFN
		7433501566	7433501572	7433501578	7433501584
	15 m	EPIC MC04C1LSDSB22CG150-PFN	EPIC MC04C1LSDSB22RG150-PFN	EPIC MC04C1RSDSB22CG150-PFN	EPIC MC04C1RSDSB22RG150-PFN
		7433501567	7433501573	7433501579	7433501585

Cable's Color Coding & Wiring		
Poles & Wire Color Pin		
Pin 1	YE	WH/OR
Pin 2	WH	WH/GN
Pin 3	OR	OR
Pin 4	BU	GN
Shell	Braid	Braid

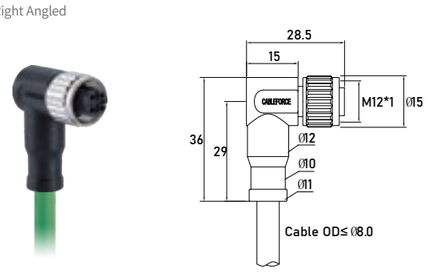
M12 D-Code

M12 D-Code female connector, molded with Cat 5e S/FTP ethernet cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C2LSDSB22CG10-PFN	EPIC MC04C2LSDSB22RG10-PFN	EPIC MC04C2RSDSB22CG10-PFN	EPIC MC04C2RSDSB22RG10-PFN
		7433501586	7433501592	7433501598	7433501604
	2 m	EPIC MC04C2LSDSB22CG20-PFN	EPIC MC04C2LSDSB22RG20-PFN	EPIC MC04C2RSDSB22CG20-PFN	EPIC MC04C2RSDSB22RG20-PFN
		7433501587	7433501593	7433501599	7433501605
	3 m	EPIC MC04C2LSDSB22CG30-PFN	EPIC MC04C2LSDSB22RG30-PFN	EPIC MC04C2RSDSB22CG30-PFN	EPIC MC04C2RSDSB22RG30-PFN
		7433501588	7433501594	7433501600	7433501606
	5 m	EPIC MC04C2LSDSB22CG50-PFN	EPIC MC04C2LSDSB22RG50-PFN	EPIC MC04C2RSDSB22CG50-PFN	EPIC MC04C2RSDSB22RG50-PFN
		7433501589	7433501595	7433501601	7433501607
	10 m	EPIC MC04C2LSDSB22CG100-PFN	EPIC MC04C2LSDSB22RG100-PFN	EPIC MC04C2RSDSB22CG100-PFN	EPIC MC04C2RSDSB22RG100-PFN
		7433501590	7433501596	7433501602	7433501608
	15 m	EPIC MC04C2LSDSB22CG150-PFN	EPIC MC04C2LSDSB22RG150-PFN	EPIC MC04C2RSDSB22CG150-PFN	EPIC MC04C2RSDSB22RG150-PFN
		7433501591	7433501597	7433501603	7433501609

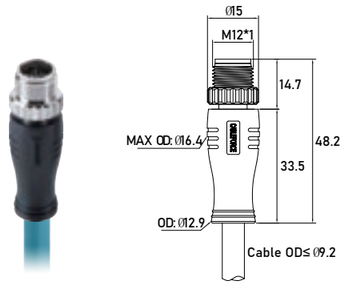
Cable's Color Coding & Wiring

Poles & Wire Color Pin		
Pin 1	YE	WH/OR
Pin 2	WH	WH/GN
Pin 3	OR	OR
Pin 4	BU	GN
Shell	Braid	Braid

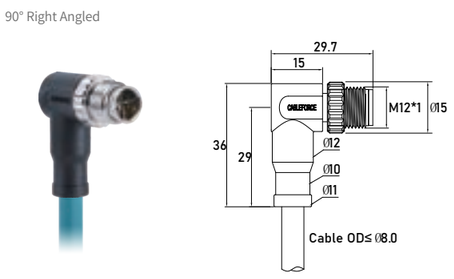
M12 X-Code

M12 X-Code male connector, molded with Cat 6A S/FTP ethernet cable, EMI/ RFI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm
Termination	Soldering
Wire gauge	0.14mm² (AWG 26)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM Silicon O-Ring
Protection degree	IP65, IP67
Pollution degree	3

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C1LSXSB26CG10-PFN	EPIC MC08C1LSXSB26RG10-PFN	EPIC MC08C1RSXSB26CG10-PFN	EPIC MC08C1RSXSB26RG10-PFN
		7433501610	7433501616	7433501622	7433501628
	2 m	EPIC MC08C1LSXSB26CG20-PFN	EPIC MC08C1LSXSB26RG20-PFN	EPIC MC08C1RSXSB26CG20-PFN	EPIC MC08C1RSXSB26RG20-PFN
		7433501611	7433501617	7433501623	7433501629
	3 m	EPIC MC08C1LSXSB26CG30-PFN	EPIC MC08C1LSXSB26RG30-PFN	EPIC MC08C1RSXSB26CG30-PFN	EPIC MC08C1RSXSB26RG30-PFN
		7433501612	7433501618	7433501624	7433501630
	5 m	EPIC MC08C1LSXSB26CG50-PFN	EPIC MC08C1LSXSB26RG50-PFN	EPIC MC08C1RSXSB26CG50-PFN	EPIC MC08C1RSXSB26RG50-PFN
		7433501613	7433501619	7433501625	7433501631
	10 m	EPIC MC08C1LSXSB26CG100-PFN	EPIC MC08C1LSXSB26RG100-PFN	EPIC MC08C1RSXSB26CG100-PFN	EPIC MC08C1RSXSB26RG100-PFN
		7433501614	7433501620	7433501626	7433501632
	15 m	EPIC MC08C1LSXSB26CG150-PFN	EPIC MC08C1LSXSB26RG150-PFN	EPIC MC08C1RSXSB26CG150-PFN	EPIC MC08C1RSXSB26RG150-PFN
		7433501615	7433501621	7433501627	7433501633

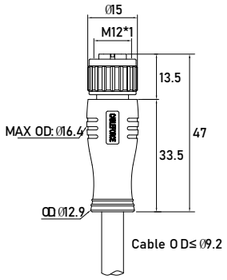
Cable's Color Coding & Wiring

Poles & Wire Color Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shell	Braid	Braid

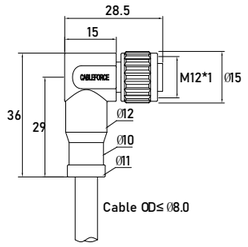
M12 D-Code

M12 D-Code female connector, molded with Cat 5e S/FTP ethernet cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm
Termination	Soldering
Wire gauge	0.14mm² (AWG 26)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM Silicon O-Ring
Protection degree	IP65, IP67
Pollution degree	3

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	MC08C2LSXSB14CG10-PFN	MC08C2LSXSB26RG10-PFN	MC08C2RSXSB26CG10-PFN	MC08C2RSXSB26RG10-PFN
		7433501634	7433501640	7433501646	7433501652
	2 m	MC08C2LSXSB14CG20-PFN	MC08C2LSXSB26RG20-PFN	MC08C2RSXSB26CG20-PFN	MC08C2RSXSB26RG20-PFN
		7433501635	7433501641	7433501647	7433501653
	3 m	MC08C2LSXSB14CG30-PFN	MC08C2LSXSB26RG30-PFN	MC08C2RSXSB26CG30-PFN	MC08C2RSXSB26RG30-PFN
		7433501636	7433501642	7433501648	7433501654
	5 m	MC08C2LSXSB14CG50-PFN	MC08C2LSXSB26RG50-PFN	MC08C2RSXSB26CG50-PFN	MC08C2RSXSB26RG50-PFN
		7433501637	7433501643	7433501649	7433501655
	10 m	MC08C2LSXSB14CG100-PFN	MC08C2LSXSB26RG100-PFN	MC08C2RSXSB26CG100-PFN	MC08C2RSXSB26RG100-PFN
		7433501638	7433501644	7433501650	7433501656
	15 m	MC08C2LSXSB14CG150-PFN	MC08C2LSXSB26RG150-PFN	MC08C2RSXSB26CG150-PFN	MC08C2RSXSB26RG150-PFN
		7433501639	7433501645	7433501651	7433501657

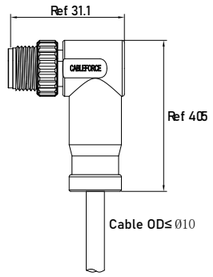
Cable's Color Coding & Wiring

Poles & Wire Color Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shell	Braid	Braid

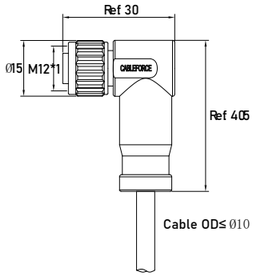
M12 X-Code

M12 X-Code male connector, molded with Cat 6A S/FTP ethernet cable, EMI/ RFI-Shielded, free end

Male



Female



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm
Termination	Soldering
Wire gauge	0.14mm² (AWG 26)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM Silicon O-Ring
Protection degree	IP65, IP67
Pollution degree	3

Ordering No.

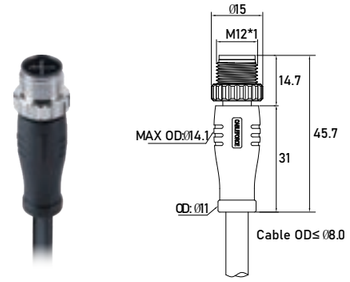
Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C1RSXB-26CG10-BM	EPIC MC08C1RSXB-26RG10-BM	EPIC MC08C2RSXB-26CG10-BM	EPIC MC08C2RSXB-26RG10-BM
		7433501658	7433501664	7433501670	7433501676
	2 m	EPIC MC08C1RSXB-26CG20-BM	EPIC MC08C1RSXB-26RG20-BM	EPIC MC08C2RSXB-26CG20-BM	EPIC MC08C2RSXB-26RG20-BM
		7433501659	7433501665	7433501671	7433501677
	3 m	EPIC MC08C1RSXB-26CG30-BM	EPIC MC08C1RSXB-26RG30-BM	EPIC MC08C2RSXB-26CG30-BM	EPIC MC08C2RSXB-26RG30-BM
		7433501660	7433501666	7433501672	7433501678
	5 m	EPIC MC08C1RSXB-26CG50-BM	EPIC MC08C1RSXB-26RG50-BM	EPIC MC08C2RSXB-26CG50-BM	EPIC MC08C2RSXB-26RG50-BM
		7433501661	7433501667	7433501673	7433501679
	10 m	EPIC MC08C1RSXB-26CG100-BM	EPIC MC08C1RSXB-26RG100-BM	EPIC MC08C2RSXB-26CG100-BM	EPIC MC08C2RSXB-26RG100-BM
		7433501662	7433501668	7433501674	7433501680
	15 m	EPIC MC08C1RSXB-26CG150-BM	EPIC MC08C1RSXB-26RG150-BM	EPIC MC08C2RSXB-26CG150-BM	EPIC MC08C2RSXB-26RG150-BM
		7433501663	7433501669	7433501675	7433501681

Cable's Color Coding & Wiring

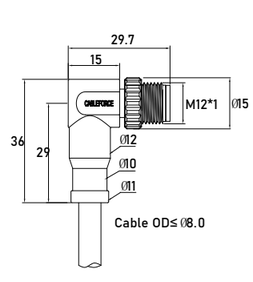
Poles & Wire Color Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shell	Braid	Braid

M12 A-Code male connector, molded cable, Un-shielded, free end

80° Straight



90° Right Angled



Connector Technical data

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm	
Termination	Crimping	
Wire gauge	1.5mm² (AWG 16)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

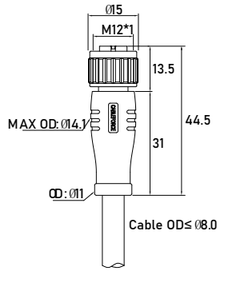
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C1LCSB16CK10	EPIC MC03C1LCSB16RK10	EPIC MC03C1RCSB16CK10	EPIC MC03C1RCSB16RK10
		7433501682	7433501686	7433501698	7433501702
	3 m	EPIC MC03C1LCSB16CK30	EPIC MC03C1LCSB16RK30	EPIC MC03C1RCSB16CK30	EPIC MC03C1RCSB16RK30
		7433501683	7433501687	7433501699	7433501703
	5 m	EPIC MC03C1LCSB16CK50	EPIC MC03C1LCSB16RK50	EPIC MC03C1RCSB16CK50	EPIC MC03C1RCSB16RK50
		7433501684	7433501688	7433501700	7433501704
	10 m	EPIC MC03C1LCSB16CK100	EPIC MC03C1LCSB16RK100	EPIC MC03C1RCSB16CK100	EPIC MC03C1RCSB16RK100
		7433501685	7433501689	7433501701	7433501705
3+PE (4 Pin)	1 m	EPIC MC04C1LCSB16CK10	EPIC MC04C1LCSB16RK10	EPIC MC04C1RCSB16CK10	EPIC MC04C1RCSB16RK10
		7433501690	7433501694	7433501706	7433501710
	3 m	EPIC MC04C1LCSB16CK30	EPIC MC04C1LCSB16RK30	EPIC MC04C1RCSB16CK30	EPIC MC04C1RCSB16RK30
		7433501691	7433501695	7433501707	7433501711
	5 m	EPIC MC04C1LCSB16CK50	EPIC MC04C1LCSB16RK50	EPIC MC04C1RCSB16CK50	EPIC MC04C1RCSB16RK50
		7433501692	7433501696	7433501708	7433501712
	10 m	EPIC MC04C1LCSB16CK100	EPIC MC04C1LCSB16RK100	EPIC MC04C1RCSB16CK100	EPIC MC04C1RCSB16RK100
		7433501693	7433501697	7433501709	7433501713

Cable's Color Coding & Wiring

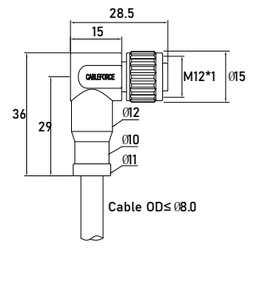
Poles & Wire Color Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/GN	YE/GN

M12 A-Code female connector, molded cable, Un-shielded, free end

180° Straight



90° Right Angled



Connector Technical data

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm	
Termination	Crimping	
Wire gauge	1.5mm² (AWG 16)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

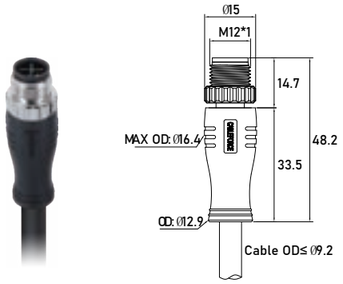
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C2LCSB16CK10	EPIC MC03C2LCSB16RK10	EPIC MC03C2RCSB16CK10	EPIC MC03C2RCSB16RK10
		7433501714	7433501718	7433501730	7433501734
	3 m	EPIC MC03C2LCSB16CK30	EPIC MC03C2LCSB16RK30	EPIC MC03C2RCSB16CK30	EPIC MC03C2RCSB16RK30
		7433501715	7433501719	7433501731	7433501735
	5 m	EPIC MC03C2LCSB16CK50	EPIC MC03C2LCSB16RK50	EPIC MC03C2RCSB16CK50	EPIC MC03C2RCSB16RK50
		7433501716	7433501720	7433501732	7433501736
	10 m	EPIC MC03C2LCSB16CK100	EPIC MC03C2LCSB16RK100	EPIC MC03C2RCSB16CK100	EPIC MC03C2RCSB16RK100
		7433501717	7433501721	7433501733	7433501737
3+PE (4 Pin)	1 m	EPIC MC04C2LCSB16CK10	EPIC MC04C2LCSB16RK10	EPIC MC04C2RCSB16CK10	EPIC MC04C2RCSB16RK10
		7433501722	7433501726	7433501738	7433501742
	3 m	EPIC MC04C2LCSB16CK30	EPIC MC04C2LCSB16RK30	EPIC MC04C2RCSB16CK30	EPIC MC04C2RCSB16RK30
		7433501723	7433501727	7433501739	7433501743
	5 m	EPIC MC04C2LCSB16CK50	EPIC MC04C2LCSB16RK50	EPIC MC04C2RCSB16CK50	EPIC MC04C2RCSB16RK50
		7433501724	7433501728	7433501740	7433501744
	10 m	EPIC MC04C2LCSB16CK100	EPIC MC04C2LCSB16RK100	EPIC MC04C2RCSB16CK100	EPIC MC04C2RCSB16RK100
		7433501725	7433501729	7433501741	7433501745

Cable's Color Coding & Wiring

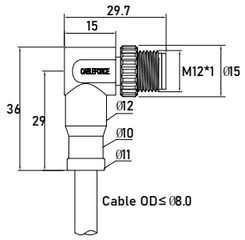
Poles & Wire Color Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/GN	YE/GN

M12 S-Code male connector, molded with 12A power cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data		
Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm	
Termination	Crimping	
Wire gauge	1.5mm² (AWG 16)	
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKMSilicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

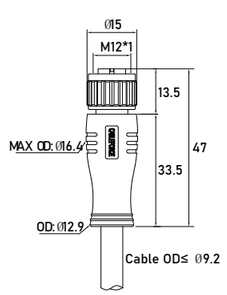
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C1LCSSB16CK10	EPIC MC03C1LCSSB16RK10	EPIC MC03C1RCSSB16CK10	EPIC MC03C1RCSSB16RK10
		7433501746	7433501750	7433501762	7433501766
	3 m	EPIC MC03C1LCSSB16CK30	EPIC MC03C1LCSSB16RK30	EPIC MC03C1RCSSB16CK30	EPIC MC03C1RCSSB16RK30
		7433501747	7433501751	7433501763	7433501767
	5 m	EPIC MC03C1LCSSB16CK50	EPIC MC03C1LCSSB16RK50	EPIC MC03C1RCSSB16CK50	EPIC MC03C1RCSSB16RK50
		7433501748	7433501752	7433501764	7433501768
	10 m	EPIC MC03C1LCSSB16CK100	EPIC MC03C1LCSSB16RK100	EPIC MC03C1RCSSB16CK100	EPIC MC03C1RCSSB16RK100
		7433501749	7433501753	7433501765	7433501769
3+PE (4 Pin)	1 m	EPIC MC04C1LCSSB16CK10	EPIC MC04C1LCSSB16RK10	EPIC MC04C1RCSSB16CK10	EPIC MC04C1RCSSB16RK10
		7433501754	7433501758	7433501770	7433501774
	3 m	EPIC MC04C1LCSSB16CK30	EPIC MC04C1LCSSB16RK30	EPIC MC04C1RCSSB16CK30	EPIC MC04C1RCSSB16RK30
		7433501755	7433501759	7433501771	7433501775
	5 m	EPIC MC04C1LCSSB16CK50	EPIC MC04C1LCSSB16RK50	EPIC MC04C1RCSSB16CK50	EPIC MC04C1RCSSB16RK50
		7433501756	7433501760	7433501772	7433501776
	10 m	EPIC MC04C1LCSSB16CK100	EPIC MC04C1LCSSB16RK100	EPIC MC04C1RCSSB16CK100	EPIC MC04C1RCSSB16RK100
		7433501757	7433501761	7433501773	7433501777

Cable's Color Coding & Wiring

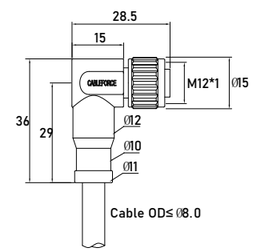
Poles & Wire Color Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/GN	YE/GN
Shell	Braid	Braid

M12 S-Code female connector, molded with 12A power cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data		
Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm	
Termination	Crimping	
Wire gauge	1.5mm² (AWG 16)	
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKMSilicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

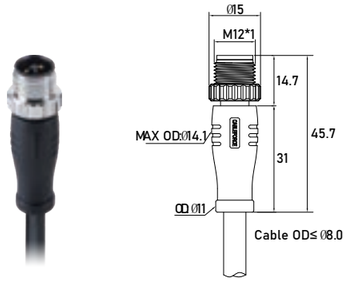
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C2LCSSB16CK10	EPIC MC03C2LCSSB16RK10	EPIC MC03C2RCSSB16CK10	EPIC MC03C2RCSSB16RK10
		7433501778	7433501782	7433501794	7433501798
	3 m	EPIC MC03C2LCSSB16CK30	EPIC MC03C2LCSSB16RK30	EPIC MC03C2RCSSB16CK30	EPIC MC03C2RCSSB16RK30
		7433501779	7433501783	7433501795	7433501799
	5 m	EPIC MC03C2LCSSB16CK50	EPIC MC03C2LCSSB16RK50	EPIC MC03C2RCSSB16CK50	EPIC MC03C2RCSSB16RK50
		7433501780	7433501784	7433501796	7433501800
	10 m	EPIC MC03C2LCSSB16CK100	EPIC MC03C2LCSSB16RK100	EPIC MC03C2RCSSB16CK100	EPIC MC03C2RCSSB16RK100
		7433501781	7433501785	7433501797	7433501801
3+PE (4 Pin)	1 m	EPIC MC04C2LCSSB16CK10	EPIC MC04C2LCSSB16RK10	EPIC MC04C2RCSSB16CK10	EPIC MC04C2RCSSB16RK10
		7433501786	7433501790	7433501802	7433501806
	3 m	EPIC MC04C2LCSSB16CK30	EPIC MC04C2LCSSB16RK30	EPIC MC04C2RCSSB16CK30	EPIC MC04C2RCSSB16RK30
		7433501787	7433501791	7433501803	7433501807
	5 m	EPIC MC04C2LCSSB16CK50	EPIC MC04C2LCSSB16RK50	EPIC MC04C2RCSSB16CK50	EPIC MC04C2RCSSB16RK50
		7433501788	7433501792	7433501804	7433501808
	10 m	EPIC MC04C2LCSSB16CK100	EPIC MC04C2LCSSB16RK100	EPIC MC04C2RCSSB16CK100	EPIC MC04C2RCSSB16RK100
		7433501789	7433501793	7433501805	7433501809

Cable's Color Coding & Wiring

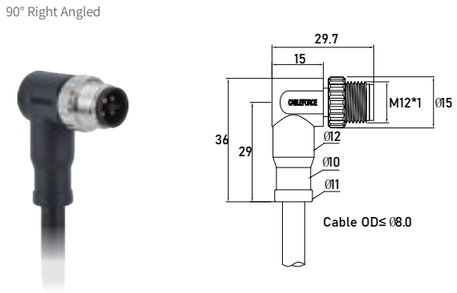
Poles & Wire Color Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/GN	YE/GN
Shell	Braid	Braid

M12 T-Code male connector, molded with 12A power cable, Un-shielded, free end

180° Straight



90° Right Angled



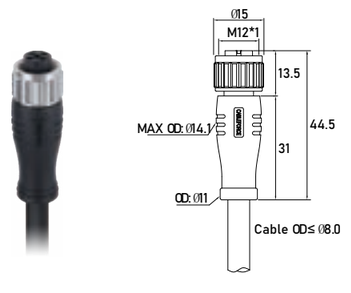
Connector Technical data	
Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm
Termination	Crimping
Wire gauge	1.5mm² (AWG 16)
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKMSilicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C1LCTB16CK10	EPIC MC04C1LCTB16RK10	EPIC MC04C1RCTB16CK10	EPIC MC04C1RCTB16RK10
		7433501810	7433501816	7433501822	7433501828
	2 m	EPIC MC04C1LCTB16CK20	EPIC MC04C1LCTB16RK20	EPIC MC04C1RCTB16CK20	EPIC MC04C1RCTB16RK20
		7433501811	7433501817	7433501823	7433501829
	3 m	EPIC MC04C1LCTB16CK30	EPIC MC04C1LCTB16RK30	EPIC MC04C1RCTB16CK30	EPIC MC04C1RCTB16RK30
		7433501812	7433501818	7433501824	7433501830
	5 m	EPIC MC04C1LCTB16CK50	EPIC MC04C1LCTB16RK50	EPIC MC04C1RCTB16CK50	EPIC MC04C1RCTB16RK50
		7433501813	7433501819	7433501825	7433501831
	10 m	EPIC MC04C1LCTB16CK100	EPIC MC04C1LCTB16RK100	EPIC MC04C1RCTB16CK100	EPIC MC04C1RCTB16RK100
		7433501814	7433501820	7433501826	7433501832
	15 m	EPIC MC04C1LCTB16CK150	EPIC MC04C1LCTB16RK150	EPIC MC04C1RCTB16CK150	EPIC MC04C1RCTB16RK150
		7433501815	7433501821	7433501827	7433501833

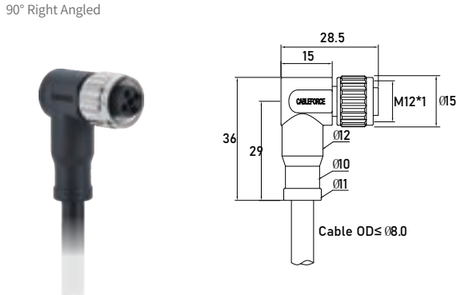
Cable's Color Coding & Wiring			
Poles & Wire Color Pin			

M12 T-Code female connector, molded with 12A power cable, Un-shielded, free end

180° Straight



90° Right Angled



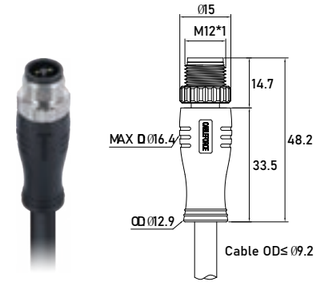
Connector Technical data	
Contacts No.	T-Coding
Front View	
Reference Standar	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm
Termination	Crimping
Wire gauge	1.5mm² (AWG 16)
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKMSilicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C2LCTB16CK10	EPIC MC04C2LCTB16RK10	EPIC MC04C2RCTB16CK10	EPIC MC04C2RCTB16RK10
		7433501834	7433501840	7433501846	7433501852
	2 m	EPIC MC04C2LCTB16CK20	EPIC MC04C2LCTB16RK20	EPIC MC04C2RCTB16CK20	EPIC MC04C2RCTB16RK20
		7433501835	7433501841	7433501847	7433501853
	3 m	EPIC MC04C2LCTB16CK30	EPIC MC04C2LCTB16RK30	EPIC MC04C2RCTB16CK30	EPIC MC04C2RCTB16RK30
		7433501836	7433501842	7433501848	7433501854
	5 m	EPIC MC04C2LCTB16CK50	EPIC MC04C2LCTB16RK50	EPIC MC04C2RCTB16CK50	EPIC MC04C2RCTB16RK50
		7433501837	7433501843	7433501849	7433501855
	10 m	EPIC MC04C2LCTB16CK100	EPIC MC04C2LCTB16RK100	EPIC MC04C2RCTB16CK100	EPIC MC04C2RCTB16RK100
		7433501838	7433501844	7433501850	7433501856
	15 m	EPIC MC04C2LCTB16CK150	EPIC MC04C2LCTB16RK150	EPIC MC04C2RCTB16CK150	EPIC MC04C2RCTB16RK150
		7433501839	7433501845	7433501851	7433501857

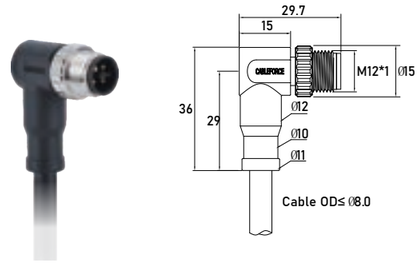
Cable's Color Coding & Wiring			
Poles & Wire Color Pin			
Pin 1	BN	RD	BK1
Pin 2	WH	BK	BK2
Pin 3	BU	BU	BK3
Pin 4	BK	YE/GN	YE/GN

M12 T-Code male connector, molded with 12A power cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data	
Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm
Termination	Crimping
Wire gauge	1.5mm² (AWG 16)
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKMSilicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

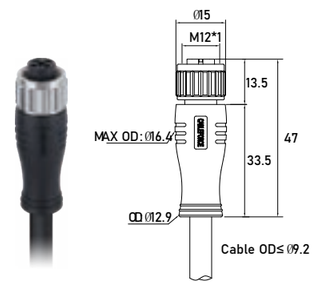
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C1LCTSB16CK10	EPIC MC04C1LCTSB16RK10	EPIC MC04C1RCTSB16CK10	EPIC MC04C1RCTSB16RK10
		7433501858	7433501864	7433501870	7433501876
	2 m	EPIC MC04C1LCTSB16CK20	EPIC MC04C1LCTSB16RK20	EPIC MC04C1RCTSB16CK20	EPIC MC04C1RCTSB16RK20
		7433501859	7433501865	7433501871	7433501877
	3 m	EPIC MC04C1LCTSB16CK30	EPIC MC04C1LCTSB16RK30	EPIC MC04C1RCTSB16CK30	EPIC MC04C1RCTSB16RK30
		7433501860	7433501866	7433501872	7433501878
	5 m	EPIC MC04C1LCTSB16CK50	EPIC MC04C1LCTSB16RK50	EPIC MC04C1RCTSB16CK50	EPIC MC04C1RCTSB16RK50
		7433501861	7433501867	7433501873	7433501879
	10 m	EPIC MC04C1LCTSB16CK100	EPIC MC04C1LCTSB16RK100	EPIC MC04C1RCTSB16CK100	EPIC MC04C1RCTSB16RK100
		7433501862	7433501868	7433501874	7433501880
	15 m	EPIC MC04C1LCTSB16CK150	EPIC MC04C1LCTSB16RK150	EPIC MC04C1RCTSB16CK150	EPIC MC04C1RCTSB16RK150
		7433501863	7433501869	7433501875	7433501881

Cable's Color Coding & Wiring

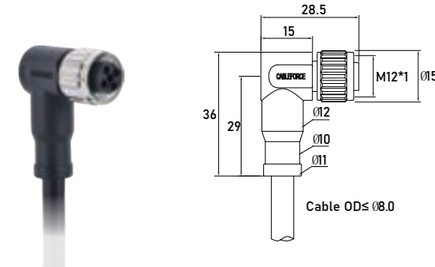
Poles & Wire Color Pin			
Pin 1	BN	RD	BK1
Pin 2	WH	BK	BK2
Pin 3	BU	BU	BK3
Pin 4	BK	YE/GN	YE/GN
Shell	Braid	Braid	Braid

M12 T-Code female connector, molded with 12A power cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data	
Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm
Termination	Crimping
Wire gauge	1.5mm² (AWG 16)
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKMSilicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

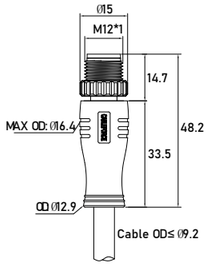
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C2LCTSB16CK10	EPIC MC04C2LCTSB16RK10	EPIC MC04C2RCTSB16CK10	EPIC MC04C2RCTSB16RK10
		7433501882	7433501888	7433501894	7433501900
	2 m	EPIC MC04C2LCTSB16CK20	EPIC MC04C2LCTSB16RK20	EPIC MC04C2RCTSB16CK20	EPIC MC04C2RCTSB16RK20
		7433501883	7433501889	7433501895	7433501901
	3 m	EPIC MC04C2LCTSB16CK30	EPIC MC04C2LCTSB16RK30	EPIC MC04C2RCTSB16CK30	EPIC MC04C2RCTSB16RK30
		7433501884	7433501890	7433501896	7433501902
	5 m	EPIC MC04C2LCTSB16CK50	EPIC MC04C2LCTSB16RK50	EPIC MC04C2RCTSB16CK50	EPIC MC04C2RCTSB16RK50
		7433501885	7433501891	7433501897	7433501903
	10 m	EPIC MC04C2LCTSB16CK100	EPIC MC04C2LCTSB16RK100	EPIC MC04C2RCTSB16CK100	EPIC MC04C2RCTSB16RK100
		7433501886	7433501892	7433501898	7433501904
	15 m	EPIC MC04C2LCTSB16CK150	EPIC MC04C2LCTSB16RK150	EPIC MC04C2RCTSB16CK150	EPIC MC04C2RCTSB16RK150
		7433501887	7433501893	7433501899	7433501905

Cable's Color Coding & Wiring

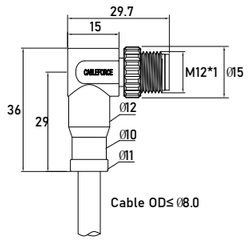
Poles & Wire Color Pin			
Pin 1	BN	RD	BK1
Pin 2	WH	BK	BK2
Pin 3	BU	BU	BK3
Pin 4	BK	YE/GN	YE/GN
Shell	Braid	Braid	Braid

M12 K-Code male connector, molded with 16A power cable, EMI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data			
Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm		
Termination	Crimping		
Wire gauge	2.5mm² (14AWG)		
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Over-molding	TPU		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Male: Brass, PE Pin: Phosphor bronze		
Contacts plating	Au (Gold)		
O-Ring	FKMSilicon		
Protection degree	IP67, IP68, IP69K		
Pollution degree	3		
EMC Shielding	Non-Shielded		

Ordering No.

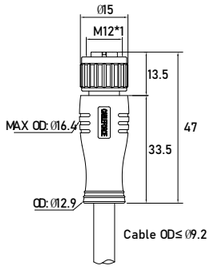
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3Pin)	1 m	EPIC MC03C1LCKB-16CK10	EPIC MC03C1LCKB-16RK10	EPIC MC03C1RCKB-16CK10	EPIC MC03C1RCKB-16RK10
		7433501906	7433501911	7433501936	7433501941
	2 m	EPIC MC03C1LCKB-16CK20	EPIC MC03C1LCKB-16RK20	EPIC MC03C1RCKB-16CK20	EPIC MC03C1RCKB-16RK20
		7433501907	7433501912	7433501937	7433501942
	3 m	EPIC MC03C1LCKB-16CK30	EPIC MC03C1LCKB-16RK30	EPIC MC03C1RCKB-16CK30	EPIC MC03C1RCKB-16RK30
		7433501908	7433501913	7433501938	7433501943
	5 m	EPIC MC03C1LCKB-16CK50	EPIC MC03C1LCKB-16RK50	EPIC MC03C1RCKB-16CK50	EPIC MC03C1RCKB-16RK50
		7433501909	7433501914	7433501939	7433501944
	10 m	EPIC MC03C1LCKB-16CK100	EPIC MC03C1LCKB-16RK100	EPIC MC03C1RCKB-16CK100	EPIC MC03C1RCKB-16RK100
		7433501910	7433501915	7433501940	7433501945
3+PE (4Pin)	1 m	EPIC MC04C1LCKB-16CK10	EPIC MC04C1LCKB-16RK10	EPIC MC04C1RCKB-16CK10	EPIC MC04C1RCKB-16RK10
		7433501916	7433501921	7433501946	7433501951
	2 m	EPIC MC04C1LCKB-16CK20	EPIC MC04C1LCKB-16RK20	EPIC MC04C1RCKB-16CK20	EPIC MC04C1RCKB-16RK20
		7433501917	7433501922	7433501947	7433501952
	3 m	EPIC MC04C1LCKB-16CK30	EPIC MC04C1LCKB-16RK30	EPIC MC04C1RCKB-16CK30	EPIC MC04C1RCKB-16RK30
		7433501918	7433501923	7433501948	7433501953
	5 m	EPIC MC04C1LCKB-16CK50	EPIC MC04C1LCKB-16RK50	EPIC MC04C1RCKB-16CK50	EPIC MC04C1RCKB-16RK50
		7433501919	7433501924	7433501949	7433501954
	10 m	EPIC MC04C1LCKB-16CK100	EPIC MC04C1LCKB-16RK100	EPIC MC04C1RCKB-16CK100	EPIC MC04C1RCKB-16RK100
		7433501920	7433501925	7433501950	7433501955
4+PE (5Pin)	1 m	EPIC MC05C1LCKB-16CK10	EPIC MC05C1LCKB-16RK10	EPIC MC05C1RCKB-16CK10	EPIC MC05C1RCKB-16RK10
		7433501926	7433501931	7433501956	7433501961
	2 m	EPIC MC05C1LCKB-16CK20	EPIC MC05C1LCKB-16RK20	EPIC MC05C1RCKB-16CK20	EPIC MC05C1RCKB-16RK20
		7433501927	7433501932	7433501957	7433501962
	3 m	EPIC MC05C1LCKB-16CK30	EPIC MC05C1LCKB-16RK30	EPIC MC05C1RCKB-16CK30	EPIC MC05C1RCKB-16RK30
		7433501928	7433501933	7433501958	7433501963
	5 m	EPIC MC05C1LCKB-16CK50	EPIC MC05C1LCKB-16RK50	EPIC MC05C1RCKB-16CK50	EPIC MC05C1RCKB-16RK50
		7433501929	7433501934	7433501959	7433501964
	10 m	EPIC MC05C1LCKB-16CK100	EPIC MC05C1LCKB-16RK100	EPIC MC05C1RCKB-16CK100	EPIC MC05C1RCKB-16RK100
		7433501930	7433501935	7433501960	7433501965

Cable's Color Coding & Wiring

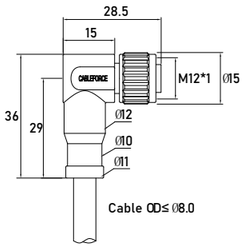
Poles & Wire Color Pin			
Pin 1		BK1	BK1
Pin 2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3
Pin 4			BK4
PEPin 5	YE/GN	YE/GN	YE/GN

M12 K-Code female connector, molded with 16A power cable, EMI-Shielded, free end

180° Straight 直头



90° Right Angled



Connector Technical data			
Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm		
Termination	Crimping		
Wire gauge	2.5mm² (14AWG)		
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Over-molding	TPU		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Female: Phosphor bronze, PE Pin: Brass		
Contacts plating	Au (Gold)		
O-Ring	FKMSilicon		
Protection degree	IP67, IP68, IP69K		
Pollution degree	3		
EMC Shielding	Non-Shielded		

Ordering No.

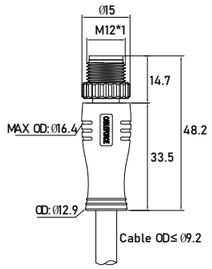
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3Pin)	1 m	EPIC MC03C2LCKB-16CK10	EPIC MC03C2LCKB-16RK10	EPIC MC03C2RCKB-16CK10	EPIC MC03C2RCKB-16RK10
		7433501966	7433501971	7433501996	7433502001
	2 m	EPIC MC03C2LCKB-16CK20	EPIC MC03C2LCKB-16RK20	EPIC MC03C2RCKB-16CK20	EPIC MC03C2RCKB-16RK20
		7433501967	7433501972	7433501997	7433502002
	3 m	EPIC MC03C2LCKB-16CK30	EPIC MC03C2LCKB-16RK30	EPIC MC03C2RCKB-16CK30	EPIC MC03C2RCKB-16RK30
		7433501968	7433501973	7433501998	7433502003
	5 m	EPIC MC03C2LCKB-16CK50	EPIC MC03C2LCKB-16RK50	EPIC MC03C2RCKB-16CK50	EPIC MC03C2RCKB-16RK50
		7433501969	7433501974	7433501999	7433502004
	10 m	EPIC MC03C2LCKB-16CK100	EPIC MC03C2LCKB-16RK100	EPIC MC03C2RCKB-16CK100	EPIC MC03C2RCKB-16RK100
		7433501970	7433501975	7433502000	7433502005
3+PE (4Pin)	1 m	EPIC MC04C2LCKB-16CK10	EPIC MC04C2LCKB-16RK10	EPIC MC04C2RCKB-16CK10	EPIC MC04C2RCKB-16RK10
		7433501976	7433501981	7433502006	7433502011
	2 m	EPIC MC04C2LCKB-16CK20	EPIC MC04C2LCKB-16RK20	EPIC MC04C2RCKB-16CK20	EPIC MC04C2RCKB-16RK20
		7433501977	7433501982	7433502007	7433502012
	3 m	EPIC MC04C2LCKB-16CK30	EPIC MC04C2LCKB-16RK30	EPIC MC04C2RCKB-16CK30	EPIC MC04C2RCKB-16RK30
		7433501978	7433501983	7433502008	7433502013
	5 m	EPIC MC04C2LCKB-16CK50	EPIC MC04C2LCKB-16RK50	EPIC MC04C2RCKB-16CK50	EPIC MC04C2RCKB-16RK50
		7433501979	7433501984	7433502009	7433502014
	10 m	EPIC MC04C2LCKB-16CK100	EPIC MC04C2LCKB-16RK100	EPIC MC04C2RCKB-16CK100	EPIC MC04C2RCKB-16RK100
		7433501980	7433501985	7433502010	7433502015
4+PE (5Pin)	1 m	EPIC MC05C2LCKB-16CK10	EPIC MC05C2LCKB-16RK10	EPIC MC05C2RCKB-16CK10	EPIC MC05C2RCKB-16RK10
		7433501986	7433501991	7433502016	7433502021
	2 m	EPIC MC05C2LCKB-16CK20	EPIC MC05C2LCKB-16RK20	EPIC MC05C2RCKB-16CK20	EPIC MC05C2RCKB-16RK20
		7433501987	7433501992	7433502017	7433502022
	3 m	EPIC MC05C2LCKB-16CK30	EPIC MC05C2LCKB-16RK30	EPIC MC05C2RCKB-16CK30	EPIC MC05C2RCKB-16RK30
		7433501988	7433501993	7433502018	7433502023
	5 m	EPIC MC05C2LCKB-16CK50	EPIC MC05C2LCKB-16RK50	EPIC MC05C2RCKB-16CK50	EPIC MC05C2RCKB-16RK50
		7433501989	7433501994	7433502019	7433502024
	10 m	EPIC MC05C2LCKB-16CK100	EPIC MC05C2LCKB-16RK100	EPIC MC05C2RCKB-16CK100	EPIC MC05C2RCKB-16RK100
		7433501990	7433501995	7433502020	7433502025

Cable's Color Coding & Wiring

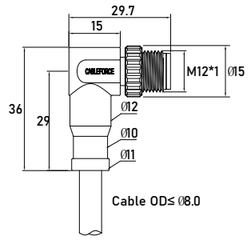
Poles & Wire Color Pin			
Pin 1		BK1	BK1
Pin 2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3
Pin 4			BK4
PEPin 5	YE/GN	YE/GN	YE/GN

M12 L-Code male connector, molded with 16A power cable, EMI-Shielded, free end

180° Straight



90° Right Angled



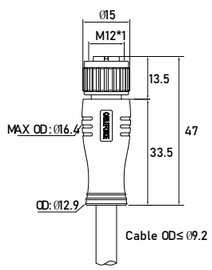
Connector Technical data					
Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm				
Termination	Crimping				
Wire gauge	2.5mm² (14AWG)				
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Over-molding	TPU				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Male: Brass, PE Pin: Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKMSilicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3Pin)	1 m	EPIC MC2EC1LCLB-16CK10 7433502026	EPIC MC2EC1LCLB-16RK10 7433502030	EPIC MC2EC1RCLB-16CK10 7433502066	EPIC MC2EC1RCLB-16RK10 7433502070
	2 m	EPIC MC2EC1LCLB-16CK20 7433502027	EPIC MC2EC1LCLB-16RK20 7433502031	EPIC MC2EC1RCLB-16CK20 7433502067	EPIC MC2EC1RCLB-16RK20 7433502071
	3 m	EPIC MC2EC1LCLB-16CK30 7433502028	EPIC MC2EC1LCLB-16RK30 7433502032	EPIC MC2EC1RCLB-16CK30 7433502068	EPIC MC2EC1RCLB-16RK30 7433502072
	5 m	EPIC MC2EC1LCLB-16CK50 7433502029	EPIC MC2EC1LCLB-16RK50 7433502033	EPIC MC2EC1RCLB-16CK50 7433502069	EPIC MC2EC1RCLB-16RK50 7433502073
3Pin	1 m	EPIC MC03C1LCLB-16CK10 7433502034	EPIC MC03C1LCLB-16RK10 7433502038	EPIC MC03C1RCLB-16CK10 7433502074	EPIC MC03C1RCLB-16RK10 7433502078
	2 m	EPIC MC03C1LCLB-16CK20 7433502035	EPIC MC03C1LCLB-16RK20 7433502039	EPIC MC03C1RCLB-16CK20 7433502075	EPIC MC03C1RCLB-16RK20 7433502079
	3 m	EPIC MC03C1LCLB-16CK30 7433502036	EPIC MC03C1LCLB-16RK30 7433502040	EPIC MC03C1RCLB-16CK30 7433502076	EPIC MC03C1RCLB-16RK30 7433502080
	5 m	EPIC MC03C1LCLB-16CK50 7433502037	EPIC MC03C1LCLB-16RK50 7433502041	EPIC MC03C1RCLB-16CK50 7433502077	EPIC MC03C1RCLB-16RK50 7433502081
3+PE (4Pin)	1 m	EPIC MC3EC1LCLB-16CK10 7433502042	EPIC MC3EC1LCLB-16RK10 7433502046	EPIC MC3EC1RCLB-16CK10 7433502082	EPIC MC3EC1RCLB-16RK10 7433502086
	2 m	EPIC MC3EC1LCLB-16CK20 7433502043	EPIC MC3EC1LCLB-16RK20 7433502047	EPIC MC3EC1RCLB-16CK20 7433502083	EPIC MC3EC1RCLB-16RK20 7433502087
	3 m	EPIC MC3EC1LCLB-16CK30 7433502044	EPIC MC3EC1LCLB-16RK30 7433502048	EPIC MC3EC1RCLB-16CK30 7433502084	EPIC MC3EC1RCLB-16RK30 7433502088
	5 m	EPIC MC3EC1LCLB-16CK50 7433502045	EPIC MC3EC1LCLB-16RK50 7433502049	EPIC MC3EC1RCLB-16CK50 7433502085	EPIC MC3EC1RCLB-16RK50 7433502089
4Pin	1 m	EPIC MC04C1LCLB-16CK10 7433502050	EPIC MC04C1LCLB-16RK10 7433502054	EPIC MC04C1RCLB-16CK10 7433502090	EPIC MC04C1RCLB-16RK10 7433502094
	2 m	EPIC MC04C1LCLB-16CK20 7433502051	EPIC MC04C1LCLB-16RK20 7433502055	EPIC MC04C1RCLB-16CK20 7433502091	EPIC MC04C1RCLB-16RK20 7433502095
	3 m	EPIC MC04C1LCLB-16CK30 7433502052	EPIC MC04C1LCLB-16RK30 7433502056	EPIC MC04C1RCLB-16CK30 7433502092	EPIC MC04C1RCLB-16RK30 7433502096
	5 m	EPIC MC04C1LCLB-16CK50 7433502053	EPIC MC04C1LCLB-16RK50 7433502057	EPIC MC04C1RCLB-16CK50 7433502093	EPIC MC04C1RCLB-16RK50 7433502097
4+PE (5Pin)	1 m	EPIC MC4EC1LCLB-16CK10 7433502058	EPIC MC4EC1LCLB-16RK10 7433502062	EPIC MC4EC1RCLB-16CK10 7433502098	EPIC MC4EC1RCLB-16RK10 7433502102
	2 m	EPIC MC4EC1LCLB-16CK20 7433502059	EPIC MC4EC1LCLB-16RK20 7433502063	EPIC MC4EC1RCLB-16CK20 7433502099	EPIC MC4EC1RCLB-16RK20 7433502103
	3 m	EPIC MC4EC1LCLB-16CK30 7433502060	EPIC MC4EC1LCLB-16RK30 7433502064	EPIC MC4EC1RCLB-16CK30 7433502100	EPIC MC4EC1RCLB-16RK30 7433502104
	5 m	EPIC MC4EC1LCLB-16CK50 7433502061	EPIC MC4EC1LCLB-16RK50 7433502065	EPIC MC4EC1RCLB-16CK50 7433502101	EPIC MC4EC1RCLB-16RK50 7433502105

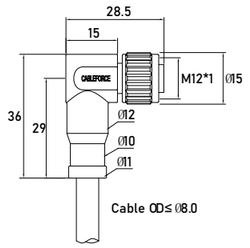
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1		BK1 1	BK1 1	BK1 1	BK1 1
Pin 2	BK2 2	BK2 2	BK2 2	BK2 2	BK2 2
Pin 3	Bk3 3	BK3 3	BK3 3	BK3 3	BK3 3
Pin 4				BK4 4	BK4 4
PEPin 5	YE/GN		YE/GN		YE/GN

M12 L-Code female connector, molded with 16A power cable, EMI-Shielded, free end

180° Straight



90° Right Angled



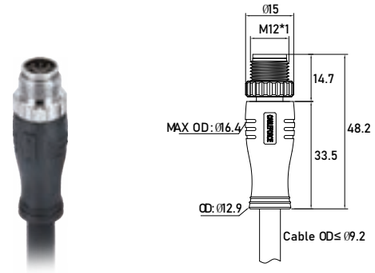
Connector Technical data					
Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm				
Termination	Crimping				
Wire gauge	2.5mm² (14AWG)				
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Over-molding	TPU				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Female: Phosphor bronze , PE Pin: Brass				
Contacts plating	Au (Gold)				
O-Ring	FKMSilicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3Pin)	1 m	EPIC MC2EC2LCLB-16CK10 7433502106	EPIC MC2EC2LCLB-16RK10 7433502110	EPIC MC2EC2RCLB-16CK10 7433502146	EPIC MC2EC2RCLB-16RK10 7433502150
	2 m	EPIC MC2EC2LCLB-16CK20 7433502107	EPIC MC2EC2LCLB-16RK20 7433502111	EPIC MC2EC2RCLB-16CK20 7433502147	EPIC MC2EC2RCLB-16RK20 7433502151
	3 m	EPIC MC2EC2LCLB-16CK30 7433502108	EPIC MC2EC2LCLB-16RK30 7433502112	EPIC MC2EC2RCLB-16CK30 7433502148	EPIC MC2EC2RCLB-16RK30 7433502152
	5 m	EPIC MC2EC2LCLB-16CK50 7433502109	EPIC MC2EC2LCLB-16RK50 7433502113	EPIC MC2EC2RCLB-16CK50 7433502149	EPIC MC2EC2RCLB-16RK50 7433502153
3Pin	1 m	EPIC MC03C2LCLB-16CK10 7433502114	EPIC MC03C2LCLB-16RK10 7433502118	EPIC MC03C2RCLB-16CK10 7433502154	EPIC MC03C2RCLB-16RK10 7433502158
	2 m	EPIC MC03C2LCLB-16CK20 7433502115	EPIC MC03C2LCLB-16RK20 7433502119	EPIC MC03C2RCLB-16CK20 7433502155	EPIC MC03C2RCLB-16RK20 7433502159
	3 m	EPIC MC03C2LCLB-16CK30 7433502116	EPIC MC03C2LCLB-16RK30 7433502120	EPIC MC03C2RCLB-16CK30 7433502156	EPIC MC03C2RCLB-16RK30 7433502160
	5 m	EPIC MC03C2LCLB-16CK50 7433502117	EPIC MC03C2LCLB-16RK50 7433502121	EPIC MC03C2RCLB-16CK50 7433502157	EPIC MC03C2RCLB-16RK50 7433502161
3+PE (4Pin)	1 m	EPIC MC3EC2LCLB-16CK10 7433502122	EPIC MC3EC2LCLB-16RK10 7433502126	EPIC MC3EC2RCLB-16CK10 7433502162	EPIC MC3EC2RCLB-16RK10 7433502166
	2 m	EPIC MC3EC2LCLB-16CK20 7433502123	EPIC MC3EC2LCLB-16RK20 7433502127	EPIC MC3EC2RCLB-16CK20 7433502163	EPIC MC3EC2RCLB-16RK20 7433502167
	3 m	EPIC MC3EC2LCLB-16CK30 7433502124	EPIC MC3EC2LCLB-16RK30 7433502128	EPIC MC3EC2RCLB-16CK30 7433502164	EPIC MC3EC2RCLB-16RK30 7433502168
	5 m	EPIC MC3EC2LCLB-16CK50 7433502125	EPIC MC3EC2LCLB-16RK50 7433502129	EPIC MC3EC2RCLB-16CK50 7433502165	EPIC MC3EC2RCLB-16RK50 7433502169
4Pin	1 m	EPIC MC04C2LCLB-16CK10 7433502130	EPIC MC04C2LCLB-16RK10 7433502134	EPIC MC04C2RCLB-16CK10 7433502170	EPIC MC04C2RCLB-16RK10 7433502174
	2 m	EPIC MC04C2LCLB-16CK20 7433502131	EPIC MC04C2LCLB-16RK20 7433502135	EPIC MC04C2RCLB-16CK20 7433502171	EPIC MC04C2RCLB-16RK20 7433502175
	3 m	EPIC MC04C2LCLB-16CK30 7433502132	EPIC MC04C2LCLB-16RK30 7433502136	EPIC MC04C2RCLB-16CK30 7433502172	EPIC MC04C2RCLB-16RK30 7433502176
	5 m	EPIC MC04C2LCLB-16CK50 7433502133	EPIC MC04C2LCLB-16RK50 7433502137	EPIC MC04EC2RCLB-16CK50 7433502173	EPIC MC04C2RCLB-16RK50 7433502177
4+PE (5Pin)	1 m	EPIC MC4EC2LCLB-16CK10 7433502138	EPIC MC4EC2LCLB-16RK10 7433502142	EPIC MC4EC2RCLB-16CK10 7433502178	EPIC MC4EC2RCLB-16RK10 7433502182
	2 m	EPIC MC4EC2LCLB-16CK20 7433502139	EPIC MC4EC2LCLB-16RK20 7433502143	EPIC MC4EC2RCLB-16CK20 7433502179	EPIC MC4EC2RCLB-16RK20 7433502183
	3 m	EPIC MC4EC2LCLB-16CK30 7433502140	EPIC MC4EC2LCLB-16RK30 7433502144	EPIC MC4EC2RCLB-16CK30 7433502180	EPIC MC4EC2RCLB-16RK30 7433502184
	5 m	EPIC MC4EC2LCLB-16CK50 7433502141	EPIC MC4EC2LCLB-16RK50 7433502145	EPIC MC4EC2RCLB-16CK50 7433502181	EPIC MC4EC2RCLB-16RK50 7433502185

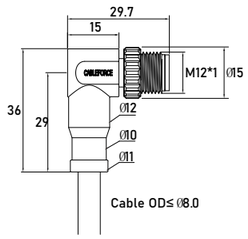
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1		BK1 1	BK1 1	BK1 1	BK1 1
Pin 2	BK2 2	BK2 2	BK2 2	BK2 2	BK2 2
Pin 3	Bk3 3	BK3 3	BK3 3	BK3 3	BK3 3
Pin 4				BK4 4	BK4 4
PEPin 5	YE/GN		YE/GN		YE/GN

M12 Male Connector, Molded With Cable, EMI-Shielded, Free End

180° Straight



90° Right Angled



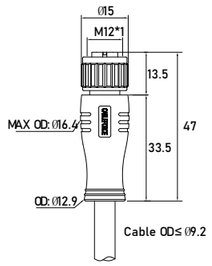
Connector Technical data			
Contacts No.	Y3 (4+2Pin)		Y4 (4+4Pin)
Front View			
Reference standard	IEC 61076-2-113		
Rated current	Power: 12A Signal: 0.5A	Power: 6A Signal: 0.5A	
Rated voltage	50V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm		
Termination	Crimping		
Wire gauge	0.14mm² (26AWG)+1.5mm² (16AWG)	0.14mm² (22AWG)+0.5mm² (20AWG)	
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Over-molding	TPU		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Bras (s)		
Contacts plating	Au (Gold)		
O-Ring	FKMSilicon		
Protection degree	IP67, IP68, IP69K		
Pollution degree	3		
EMC Shielding	Shielded		

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
Y3 (4+2Pin)	1 m	EPIC MC06C1LCY3SB-16CK10	EPIC MC06C1LCY3SB-16RK10	EPIC MC06C1RCY3SB-16CK10	EPIC MC06C1RCY3SB-16RK10
		7433502186	7433502190	7433502202	7433502206
	2 m	EPIC MC06C1LCY3SB-16CK20	EPIC MC06C1LCY3SB-16RK20	EPIC MC06C1RCY3SB-16CK20	EPIC MC06C1RCY3SB-16RK20
		7433502187	7433502191	7433502203	7433502207
	3 m	EPIC MC06C1LCY3SB-16CK30	EPIC MC06C1LCY3SB-16RK30	EPIC MC06C1RCY3SB-16CK30	EPIC MC06C1RCY3SB-16RK30
		7433502188	7433502192	7433502204	7433502208
	5 m	EPIC MC06C1LCY3SB-16CK50	EPIC MC06C1LCY3SB-16RK50	EPIC MC06C1RCY3SB-16CK50	EPIC MC06C1RCY3SB-16RK50
		7433502189	7433502193	7433502205	7433502209
Y4 (4+4Pin)	1 m	EPIC MC08C1LCY4SB-16CK10	EPIC MC08C1LCY4SB-16RK10	EPIC MC08C1RCY4SB-16CK10	EPIC MC08C1RCY4SB-16RK10
		7433502194	7433502198	7433502210	7433502214
	2 m	EPIC MC08C1LCY4SB-16CK20	EPIC MC08C1LCY4SB-16RK20	EPIC MC08C1RCY4SB-16CK20	EPIC MC08C1RCY4SB-16RK20
		7433502195	7433502199	7433502211	7433502215
	3 m	EPIC MC08C1LCY4SB-16CK30	EPIC MC08C1LCY4SB-16RK30	EPIC MC08C1RCY4SB-16CK30	EPIC MC08C1RCY4SB-16RK30
		7433502196	7433502200	7433502212	7433502216
	5 m	EPIC MC08C1LCY4SB-16CK50	EPIC MC08C1LCY4SB-16RK50	EPIC MC08C1RCY4SB-16CK50	EPIC MC08C1RCY4SB-16RK50
		7433502197	7433502201	7433502213	7433502217

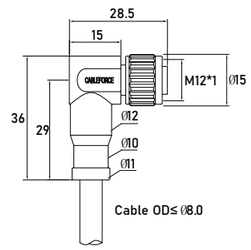
Cable's Color Coding & Wiring		
Poles & Wire Color Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	RD	BN
Pin 6	BK	WH
Pin 7		BU
Pin 8		BK
Shell	Braid	

M12 Female Connector, Molded With Cable, EMI-Shielded, Free End

180° Straight



90° Right Angled



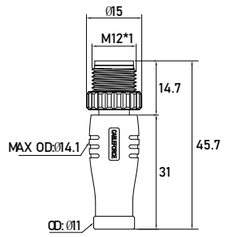
Connector Technical data		
Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal : 0.5A	Power: 6A Signal : 0.5A
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm	
Termination	Crimping	
Wire gauge	0.14mm² (26AWG)+1.5mm² (16AWG)	0.14mm² (22AWG)+0.5mm² (20AWG)
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphor bronze	
Contacts plating	Au (Gold)	
O-Ring	FKMSilicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	
EMC Shielding	Shielded	

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
Y3 (4+2Pin)	1 m	EPIC MC06C2LCY3SB-16CK10	EPIC MC06C2LCY3SB-16RK10	EPIC MC06C2RCY3SB-16CK10	EPIC MC06C2RCY3SB-16RK10
		7433502218	7433502222	7433502234	7433502238
	2 m	EPIC MC06C2LCY3SB-16CK20	EPIC MC06C2LCY3SB-16RK20	EPIC MC06C2RCY3SB-16CK20	EPIC MC06C2RCY3SB-16RK20
		7433502219	7433502223	7433502235	7433502239
	3 m	EPIC MC06C2LCY3SB-16CK30	EPIC MC06C2LCY3SB-16RK30	EPIC MC06C2RCY3SB-16CK30	EPIC MC06C2RCY3SB-16RK30
		7433502220	7433502224	7433502236	7433502240
	5 m	EPIC MC06C2LCY3SB-16CK50	EPIC MC06C2LCY3SB-16RK50	EPIC MC06C2RCY3SB-16CK50	EPIC MC06C2RCY3SB-16RK50
		7433502221	7433502225	7433502237	7433502241
Y4 (4+4Pin)	1 m	EPIC MC08C2LCY4SB-16CK10	EPIC MC08C2LCY4SB-16RK10	EPIC MC08C2RCY4SB-16CK10	EPIC MC08C2RCY4SB-16RK10
		7433502226	7433502230	7433502242	7433502246
	2 m	EPIC MC08C2LCY4SB-16CK20	EPIC MC08C2LCY4SB-16RK20	EPIC MC08C2RCY4SB-16CK20	EPIC MC08C2RCY4SB-16RK20
		7433502227	7433502231	7433502243	7433502247
	3 m	EPIC MC08C2LCY4SB-16CK30	EPIC MC08C2LCY4SB-16RK30	EPIC MC08C2RCY4SB-16CK30	EPIC MC08C2RCY4SB-16RK30
		7433502228	7433502232	7433502244	7433502248
	5 m	EPIC MC08C2LCY4SB-16CK50	EPIC MC08C2LCY4SB-16RK50	EPIC MC08C2RCY4SB-16CK50	EPIC MC08C2RCY4SB-16RK50
		7433502229	7433502233	7433502245	7433502249

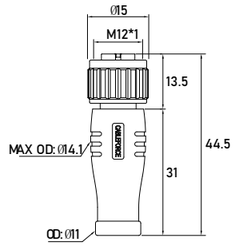
Cable's Color Coding & Wiring		
Poles & Wire Color Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	RD	BN
Pin 6	BK	WH
Pin 7		BU
Pin 8		BK
Shell	Braid	

M12 Terminator Connector, Male (Female), with 120Ω Resistor.

Male



Female

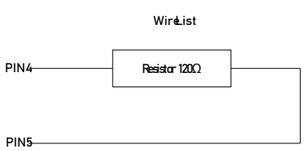


Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			2A
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm			
Termination	Soldering			
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Resistor	120Ω±1%, 0.6W			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass; Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKMSilicon O-Ring			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.

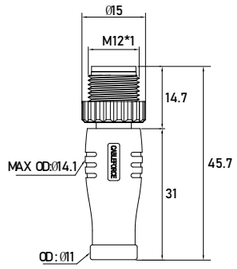
Poles	Male		Female	
	Un-Shielded	EMI-Shielded	Un-Shielded	EMI-Shielded
3 Pin	EPIC MC03T1LSAB	EPIC MC03T1LSASB	EPIC MC03T2LSAB	EPIC MC03T2LSASB
	7433502250	7433502251	7433502258	7433502259
4 Pin	EPIC MC04T1LSAB	EPIC MC04T1LSASB	EPIC MC04T2LSAB	EPIC MC04T2LSASB
	7433502252	7433502253	7433502260	7433502261
5 Pin	EPIC MC05T1LSAB	EPIC MC05T1LSASB	EPIC MC05T2LSAB	EPIC MC05T2LSASB
	7433502254	7433502255	7433502262	7433502263
8Pin	EPIC MC08T1LSAB	EPIC MC08T1LSASB	EPIC MC08T2LSAB	EPIC MC08T2LSASB
	7433502256	7433502257	7433502264	7433502265

Wiring Diagram

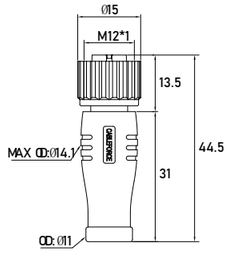


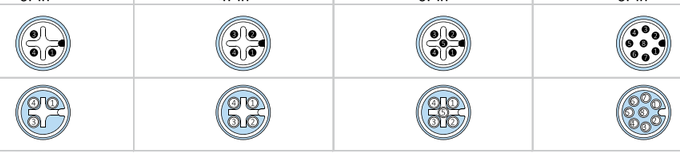
M12 Terminator Connector, Male (Female), Plastic Screws, with 120Ω Resistor.

Male



Female

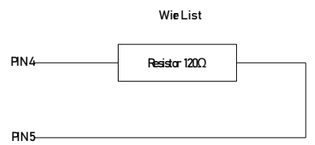


Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			2A
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm			
Termination	Soldering			
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Resistor	120Ω±1%, 0.6W			
Over-molding	TPU			
Contact carrier	PA66 + GF			
Screw nut	PA66 + GF			
Contact	Brass; Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKMSilicon O-Ring			
Protection degree	IP67, IP68			
Pollution degree	3			

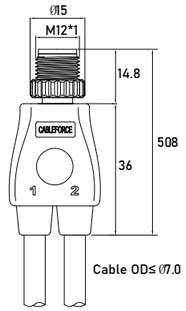
Ordering No.

Poles	Male	Female
3 Pin	EPIC MC03T1LSAP	EPIC MC03T2LSAP
	7433502266	7433502267
4 Pin	EPIC MC04T1LSAP	EPIC MC04T2LSAP
	7433502268	7433502269
5 Pin	EPIC MC05T1LSAP	EPIC MC05T2LSAP
	7433502270	7433502271
8Pin	EPIC MC08T1LSAP	EPIC MC08T2LSAP
	7433502272	7433502273

Wiring Diagram



M12 Male Y-Splitter, Molded Cable, Customized Ends



Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V			60V	30V	
Impulse voltage	2500V			1500V	800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm					
Rated temperature	Flexible–25 °C ... +80 °C，Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Over-molding	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Brass					
Contacts plating	Au (Gold)					
O-ring	FKMSilicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

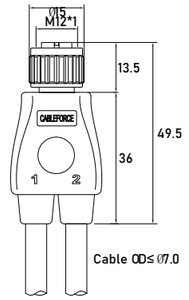
Ordering No.

Coding	Un-Shielded				Shielded			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y1AB- XXXXXX	EPIC MC04Y1AB- XXXXXX	EPIC MC05Y1AB- XXXXXX	EPIC MC08Y1AB- XXXXXX	EPIC MC03Y1ASB- XXXXXX	EPIC MC04Y1ASB- XXXXXX	EPIC MC05Y1ASB- XXXXXX	EPIC MC08Y1ASB- XXXXXX
B-Code			EPIC MC05Y1BB- XXXXXX				EPIC MC05Y1BSB- XXXXXX	
D-Code		EPIC MC04Y1DB- XXXXXX				EPIC MC04Y1DSB- XXXXXX		

Cable's Color Coding & Wiring

Poles & Wire Color Pin				
Pin 1	BN	BN	BN	WH
Pin 2		WH	WH	BN
Pin 3	BU	BU	BU	GN
Pin 4	BK	BK	BK	YE
Pin 5			GY	GY
Pin 6				PK
Pin 7				BU
Pin 8				RD

M12 Female Y-Splitter, Molded Cable, Customized Ends



Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V			60V	30V	
Impulse voltage	2500V			1500V	800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm					
Rated temperature	Flexible–25 °C ... +80 °C，Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Over-molding	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKMSilicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

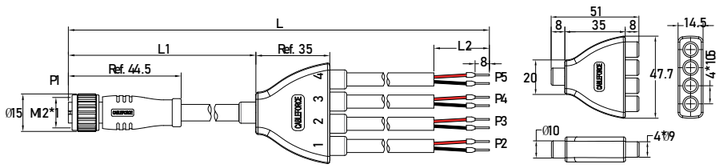
Ordering No.

Coding	Un-Shielded				Shielded			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y2AB- XXXXXX	EPIC MC04Y2AB- XXXXXX	EPIC MC05Y2AB- XXXXXX	EPIC MC08Y2AB- XXXXXX	EPIC MC03Y2ASB- XXXXXX	EPIC MC04Y2ASB- XXXXXX	EPIC MC05Y2ASB- XXXXXX	EPIC MC08Y2ASB- XXXXXX
B-Code			EPIC MC05Y2BB- XXXXXX				EPIC MC05Y2BSB- XXXXXX	
D-Code		EPIC MC04Y2DB- XXXXXX				EPIC MC04Y2DSB- XXXXXX		

Cable's Color Coding & Wiring

Poles & Wire Color Pin				
Pin 1	BN	BN	BN	WH
Pin 2		WH	WH	BN
Pin 3	BU	BU	BU	GN
Pin 4	BK	BK	BK	YE
Pin 5			GY	GY
Pin 6				PK
Pin 7				BU
Pin 8				RD

M12 4 Way Y-Splitter, Molded Cable, Customized Ends

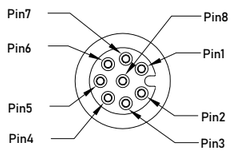


Connector Technical data	
Contacts No.	8Pin A-Code
Front View	
Reference standard	IEC 61076-2-101
Rated current	2A
Rated voltage	30V
Impulse voltage	800V
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended：0.4 Nm，Max：0.8Nm
Termination	Soldering
Wire gauge	0.34mm² ~0.14mm² (22~26AWG)
Rated termperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C
Insulation resistance	＞100MΩ
Contact resistance	＜5mΩ
Over-molding	TPU
Contacts carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKMSilicon
Protection degree	IP67, IP68
Pollution degree	3
EMC Shielding	Shielded

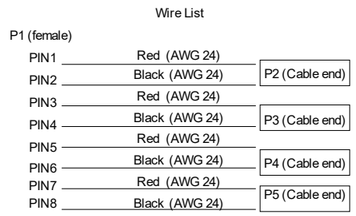
Ordering No.

Poles	Cable length	PVC (Cable)	PUR (Cable)
8Pin A-Code	0.5m	EPIC MC08C2LSAB-Y4-24CK05	EPIC MC08C2LSAB-Y4-24RK05
		7433502306	7433502311
	1m	EPIC MC08C2LSAB-Y4-24CK10	EPIC MC08C2LSAB-Y4-24RK10
		7433502307	7433502312
	2m	EPIC MC08C2LSAB-Y4-24CK20	EPIC MC08C2LSAB-Y4-24RK20
		7433502308	7433502313
	3m	EPIC MC08C2LSAB-Y4-24CK30	EPIC MC08C2LSAB-Y4-24RK30
		7433502309	7433502314
	5m	EPIC MC08C2LSAB-Y4-24CK50	EPIC MC08C2LSAB-Y4-24RK50
		7433502310	7433502315

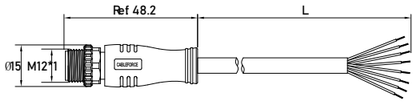
Wiring diagram

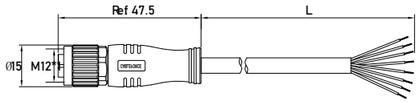


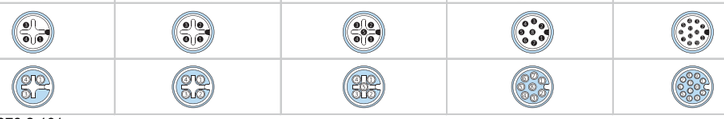
Pin Assignment
Front View
M12 female A-Coding 8PIN



M12 A-Code, sensor cables, single ended, Un-shielded, pigtail, 5 million drag chain



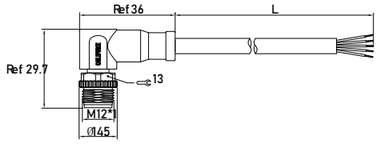


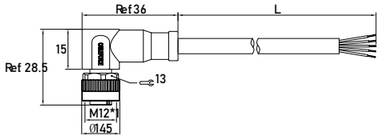
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm				
Termination	Soldering				
Cable specification	0.34mm² (AWG 22)			0.25mm² AWG24	0.14mm² (AWG 26)
Rated temperature	Flexible–25 °C ... +80 °C，Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass ，Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKMSilicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				
Bending life	5 million cycles				

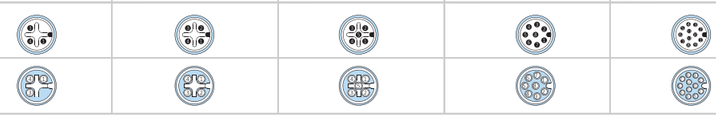
Ordering No.

Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C1LSABH22CY10 7433502316	EPIC MC03C1LSABH22RY10 7433502319	EPIC MC03C2LSABH22CY10 7433502346	EPIC MC03C2LSABH22RY10 7433502349
	2 m	EPIC MC03C1LSABH22CY20 7433502317	EPIC MC03C1LSABH22RY20 7433502320	EPIC MC03C2LSABH22CY20 7433502347	EPIC MC03C2LSABH22RY20 7433502350
	5 m	EPIC MC03C1LSABH22CY50 7433502318	EPIC MC03C1LSABH22RY50 7433502321	EPIC MC03C2LSABH22CY50 7433502348	EPIC MC03C2LSABH22RY50 7433502351
4 Pin	1 m	EPIC MC04C1LSABH22CY10 7433502322	EPIC MC04C1LSABH22RY10 7433502325	EPIC MC04C2LSABH22CY10 7433502352	EPIC MC04C2LSABH22RY10 7433502355
	2 m	EPIC MC04C1LSABH22CY20 7433502323	EPIC MC04C1LSABH22RY20 7433502326	EPIC MC04C2LSABH22CY20 7433502353	EPIC MC04C2LSABH22RY20 7433502356
	5 m	EPIC MC04C1LSABH22CY50 7433502324	EPIC MC04C1LSABH22RY50 7433502327	EPIC MC04C2LSABH22CY50 7433502354	EPIC MC04C2LSABH22RY50 7433502357
5 Pin	1 m	EPIC MC05C1LSABH22CY10 7433502328	EPIC MC05C1LSABH22RY10 7433502331	EPIC MC05C2LSABH22CY10 7433502358	EPIC MC05C2LSABH22RY10 7433502361
	2 m	EPIC MC05C1LSABH22CY20 7433502329	EPIC MC05C1LSABH22RY20 7433502332	EPIC MC05C2LSABH22CY20 7433502359	EPIC MC05C2LSABH22RY20 7433502362
	5 m	EPIC MC05C1LSABH22CY50 7433502330	EPIC MC05C1LSABH22RY50 7433502333	EPIC MC05C2LSABH22CY50 7433502360	EPIC MC05C2LSABH22RY50 7433502363
8 Pin	1 m	EPIC MC08C1LSABH24CY10 7433502334	EPIC MC08C1LSABH24RY10 7433502337	EPIC MC08C2LSABH24CY10 7433502364	EPIC MC08C2LSABH24RY10 7433502367
	2 m	EPIC MC08C1LSABH24CY20 7433502335	EPIC MC08C1LSABH24RY20 7433502338	EPIC MC08C2LSABH24CY20 7433502365	EPIC MC08C2LSABH24RY20 7433502368
	5 m	EPIC MC08C1LSABH24CY50 7433502336	EPIC MC08C1LSABH24RY50 7433502339	EPIC MC08C2LSABH24CY50 7433502366	EPIC MC08C2LSABH24RY50 7433502369
12 Pin	1 m	EPIC MC12C1LSABH26CY10 7433502340	EPIC MC12C1LSABH26RY10 7433502343	EPIC MC12C2LSABH26CY10 7433502370	EPIC MC12C2LSABH26RY10 7433502373
	2 m	EPIC MC12C1LSABH26CY20 7433502341	EPIC MC12C1LSABH26RY20 7433502344	EPIC MC12C2LSABH26CY20 7433502371	EPIC MC12C2LSABH26RY20 7433502374
	5 m	EPIC MC12C1LSABH26CY50 7433502342	EPIC MC12C1LSABH26RY50 7433502345	EPIC MC12C2LSABH26CY50 7433502372	EPIC MC12C2LSABH26RY50 7433502375

M12 A-Code, angled sensor cables, single ended, Un-shielded, pigtail, 5 million drag chain



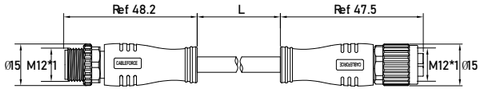


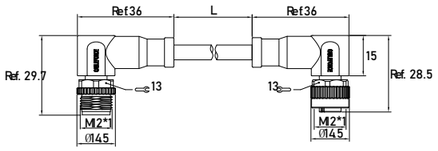
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm				
Termination	Soldering				
Cable specification	0.34mm² (AWG 22)			0.25mm² AWG24	0.14mm² (AWG 26)
Rated temperature	Flexible–25 °C ... +80 °C，Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass ，Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKMSilicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				
Bending life	5 million cycles				

Ordering No.

Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C1RSABH22CY10 7433502376	EPIC MC03C1RSABH22RY10 7433502379	EPIC MC03C2RSABH22CY10 7433502406	EPIC MC03C2RSABH22RY10 7433502409
	2 m	EPIC MC03C1RSABH22CY20 7433502377	EPIC MC03C1RSABH22RY20 7433502380	EPIC MC03C2RSABH22CY20 7433502407	EPIC MC03C2RSABH22RY20 7433502410
	5 m	EPIC MC03C1RSABH22CY50 7433502378	EPIC MC03C1RSABH22RY50 7433502381	EPIC MC03C2RSABH22CY50 7433502408	EPIC MC03C2RSABH22RY50 7433502411
4 Pin	1 m	EPIC MC04C1RSABH22CY10 7433502382	EPIC MC04C1RSABH22RY10 7433502385	EPIC MC04C2RSABH22CY10 7433502412	EPIC MC04C2RSABH22RY10 7433502415
	2 m	EPIC MC04C1RSABH22CY20 7433502383	EPIC MC04C1RSABH22RY20 7433502386	EPIC MC04C2RSABH22CY20 7433502413	EPIC MC04C2RSABH22RY20 7433502416
	5 m	EPIC MC04C1RSABH22CY50 7433502384	EPIC MC04C1RSABH22RY50 7433502387	EPIC MC04C2RSABH22CY50 7433502414	EPIC MC04C2RSABH22RY50 7433502417
5 Pin	1 m	EPIC MC05C1RSABH22CY10 7433502388	EPIC MC05C1RSABH22RY10 7433502391	EPIC MC05C2RSABH22CY10 7433502418	EPIC MC05C2RSABH22RY10 7433502421
	2 m	EPIC MC05C1RSABH22CY20 7433502389	EPIC MC05C1RSABH22RY20 7433502392	EPIC MC05C2RSABH22CY20 7433502419	EPIC MC05C2RSABH22RY20 7433502422
	5 m	EPIC MC05C1RSABH22CY50 7433502390	EPIC MC05C1RSABH22RY50 7433502393	EPIC MC05C2RSABH22CY50 7433502420	EPIC MC05C2RSABH22RY50 7433502423
8 Pin	1 m	EPIC MC08C1RSABH24CY10 7433502394	EPIC MC08C1RSABH24RY10 7433502397	EPIC MC08C2RSABH24CY10 7433502424	EPIC MC08C2RSABH24RY10 7433502427
	2 m	EPIC MC08C1RSABH24CY20 7433502395	EPIC MC08C1RSABH24RY20 7433502398	EPIC MC08C2RSABH24CY20 7433502425	EPIC MC08C2RSABH24RY20 7433502428
	5 m	EPIC MC08C1RSABH24CY50 7433502396	EPIC MC08C1RSABH24RY50 7433502399	EPIC MC08C2RSABH24CY50 7433502426	EPIC MC08C2RSABH24RY50 7433502429
12 Pin	1 m	EPIC MC12C1RSABH26CY10 7433502400	EPIC MC12C1RSABH26RY10 7433502403	EPIC MC12C2RSABH26CY10 7433502430	EPIC MC12C2RSABH26RY10 7433502433
	2 m	EPIC MC12C3RSABH26CY20 7433502401	EPIC MC12C1RSABH26RY20 7433502404	EPIC MC12C2RSABH26CY20 7433502431	EPIC MC12C2RSABH26RY20 7433502434
	5 m	EPIC MC12C3RSABH26CY50 7433502402	EPIC MC12C1RSABH26RY50 7433502405	EPIC MC12C2RSABH26CY50 7433502432	EPIC MC12C2RSABH26RY50 7433502435

M12 A-Code, male to female, sensor cables, Un-shielded, 5 million drag chain



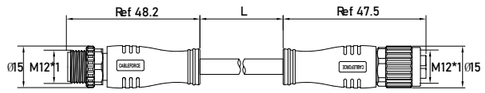


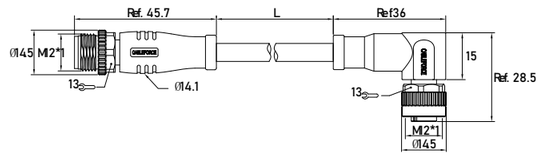
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm				
Termination	Soldering				
Cable specification	0.34mm² (AWG 22)			0.25mm² AWG24	0.14mm² (AWG 26)
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass ，Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				
Bending life	500万次 / 5 million cycles				

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSABH22CY10 7433502436	EPIC MC03C3LSABH22RY10 7433502439	EPIC MC03C3RSABH22CY10 7433502466	EPIC MC03C3RSABH22RY10 7433502469
	2 m	EPIC MC03C3LSABH22CY20 7433502437	EPIC MC03C3LSABH22RY20 7433502440	EPIC MC03C3RSABH22CY20 7433502467	EPIC MC03C3RSABH22RY20 7433502470
	5 m	EPIC MC03C3LSABH22CY50 7433502438	EPIC MC03C3LSABH22RY50 7433502441	EPIC MC03C3RSABH22CY50 7433502468	EPIC MC03C3RSABH22RY50 7433502471
4 Pin	1 m	EPIC MC04C3LSABH22CY10 7433502442	EPIC MC04C3LSABH22RY10 7433502445	EPIC MC04C3RSABH22CY10 7433502472	EPIC MC04C3RSABH22RY10 7433502475
	2 m	EPIC MC04C3LSABH22CY20 7433502443	EPIC MC04C3LSABH22RY20 7433502446	EPIC MC04C3RSABH22CY20 7433502473	EPIC MC04C3RSABH22RY20 7433502476
	5 m	EPIC MC04C3LSABH22CY50 7433502444	EPIC MC04C3LSABH22RY50 7433502447	EPIC MC04C3RSABH22CY50 7433502474	EPIC MC04C3RSABH22RY50 7433502477
5 Pin	1 m	EPIC MC05C3LSABH22CY10 7433502448	EPIC MC05C3LSABH22RY10 7433502451	EPIC MC05C3RSABH22CY10 7433502478	EPIC MC05C3RSABH22RY10 7433502481
	2 m	EPIC MC05C3LSABH22CY20 7433502449	EPIC MC05C3LSABH22RY20 7433502452	EPIC MC05C3RSABH22CY20 7433502479	EPIC MC05C3RSABH22RY20 7433502482
	5 m	EPIC MC05C3LSABH22CY50 7433502450	EPIC MC05C3LSABH22RY50 7433502453	EPIC MC05C3RSABH22CY50 7433502480	EPIC MC05C3RSABH22RY50 7433502483
8 Pin	1 m	EPIC MC08C3LSABH24CY10 7433502454	EPIC MC08C3LSABH24RY10 7433502457	EPIC MC08C3RSABH24CY10 7433502484	EPIC MC08C3RSABH24RY10 7433502487
	2 m	EPIC MC08C3LSABH24CY20 7433502455	EPIC MC08C3LSABH24RY20 7433502458	EPIC MC08C3RSABH24CY20 7433502485	EPIC MC08C3RSABH24RY20 7433502488
	5 m	EPIC MC08C3LSABH24CY50 7433502456	EPIC MC08C3LSABH24RY50 7433502459	EPIC MC08C3RSABH24CY50 7433502486	EPIC MC08C3RSABH24RY50 7433502489
12 Pin	1 m	EPIC MC12C3LSABH26CY10 7433502460	EPIC MC12C3LSABH26RY10 7433502463	EPIC MC12C3RSABH26CY10 7433502490	EPIC MC12C3RSABH26RY10 7433502493
	2 m	EPIC MC12C3LSABH26CY20 7433502461	EPIC MC12C3LSABH26RY20 7433502464	EPIC MC12C3RSABH26CY20 7433502491	EPIC MC12C3RSABH26RY20 7433502494
	5 m	EPIC MC12C3LSABH26CY50 7433502462	EPIC MC12C3LSABH26RY50 7433502465	EPIC MC12C3RSABH26CY50 7433502492	EPIC MC12C3RSABH26RY50 7433502495

M12 A-Code, male to female, sensor cables, Un-shielded, 5 million drag chain



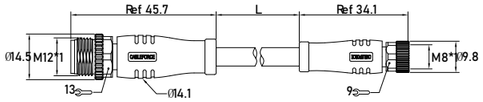


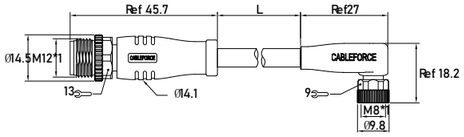
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm				
Termination	Soldering				
Cable specification	0.34mm² (AWG 22)			0.25mm² AWG24	0.14mm² (AWG 26)
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass ，Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				
Bending life	5 million cycles				

Ordering No.

Poles	Cable length	180° Straight		male straight to female angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSABH22CK10 7433502496	EPIC MC03C3LSABH22RK10 7433502499	EPIC MC03C3LRSABH22CK10 7433502526	EPIC MC03C3LRSABH22RK10 7433502529
	2 m	EPIC MC03C3LSABH22CK20 7433502497	EPIC MC03C3LSABH22RK20 7433502500	EPIC MC03C3LRSABH22CK20 7433502527	EPIC MC03C3LRSABH22RK20 7433502530
	5 m	EPIC MC03C3LSABH22CK50 7433502498	EPIC MC03C3LSABH22RK50 7433502501	EPIC MC03C3LRSABH22CK50 7433502528	EPIC MC03C3LRSABH22RK50 7433502531
4 Pin	1 m	EPIC MC04C3LSABH22CK10 7433502502	EPIC MC04C3LSABH22RK10 7433502505	EPIC MC04C3LRSABH22CK10 7433502532	EPIC MC04C3LRSABH22RK10 7433502535
	2 m	EPIC MC04C3LSABH22CK20 7433502503	EPIC MC04C3LSABH22RK20 7433502506	EPIC MC04C3LRSABH22CK20 7433502533	EPIC MC04C3LRSABH22RK20 7433502536
	5 m	EPIC MC04C3LSABH22CK50 7433502504	EPIC MC04C3LSABH22RK50 7433502507	EPIC MC04C3LRSABH22CK50 7433502534	EPIC MC04C3LRSABH22RK50 7433502537
5 Pin	1 m	EPIC MC05C3LSABH22CK10 7433502508	EPIC MC05C3LSABH22RK10 7433502511	EPIC MC05C3LRSABH22CK10 7433502538	EPIC MC05C3LRSABH22RK10 7433502541
	2 m	EPIC MC05C3LSABH22CK20 7433502509	EPIC MC05C3LSABH22RK20 7433502512	EPIC MC05C3LRSABH22CK20 7433502539	EPIC MC05C3LRSABH22RK20 7433502542
	5 m	EPIC MC05C3LSABH22CK50 7433502510	EPIC MC05C3LSABH22RK50 7433502513	EPIC MC05C3LRSABH22CK50 7433502540	EPIC MC05C3LRSABH22RK50 7433502543
8 Pin	1 m	EPIC MC08C3LSABH24CK10 7433502514	EPIC MC08C3LSABH24RK10 7433502517	EPIC MC08C3LRSABH24CK10 7433502544	EPIC MC08C3LRSABH24RK10 7433502547
	2 m	EPIC MC08C3LSABH24CK20 7433502515	EPIC MC08C3LSABH24RK20 7433502518	EPIC MC08C3LRSABH24CK20 7433502545	EPIC MC08C3LRSABH24RK20 7433502548
	5 m	EPIC MC08C3LSABH24CK50 7433502516	EPIC MC08C3LSABH24RK50 7433502519	EPIC MC08C3LRSABH24CK50 7433502546	EPIC MC08C3LRSABH24RK50 7433502549
12 Pin	1 m	EPIC MC12C3LSABH26CK10 7433502520	EPIC MC12C3LSABH26RK10 7433502523	EPIC MC12C3LRSABH26CK10 7433502550	EPIC MC12C3LRSABH26RK10 7433502553
	2 m	EPIC MC12C3LSABH26CK20 7433502521	EPIC MC12C3LSABH26RK20 7433502524	EPIC MC12C3LRSABH26CK20 7433502551	EPIC MC12C3LRSABH26RK20 7433502554
	5 m	EPIC MC12C3LSABH26CK50 7433502522	EPIC MC12C3LSABH26RK50 7433502525	EPIC MC12C3LRSABH26CK50 7433502552	EPIC MC12C3LRSABH26RK50 7433502555

M12 A-Code male to M8 female, sensor cables, Un-shielded, 5 million drag chain

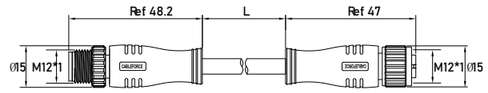


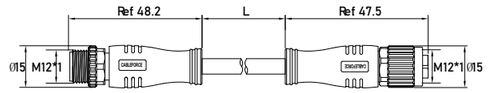


Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			2A
Rated voltage	250V	60V		30V
Impulse voltage	2500V	1500V		800V
Locking system	M12 x 1.0 screw M8 x 1.0 screw			
Tightening Torque	Recommend: 0.4Nm			
Termination	Soldering			
Cable specification	0.34mm² (AWG 22)			0.25mm² AWG 24
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C			
Insulation resistance	⩾100MΩ			
Contact resistance	≤5mΩ TPU			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass with nickel plated			
Contact	Brass , Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP67, IP68			
Pollution degree	3			
Bending life	5 million cycles			

Ordering No.					
Poles	Cable length	180° Straight		male straight to female angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MCB03C3LSABH22CK10	EPIC MCB03C3LSABH22RK10	EPIC MCB03C3LRSABH22CY10	EPIC MCB03C3LRSABH22RY10
		7433502556	7433502559	7433502580	7433502583
	2 m	EPIC MCB03C3LSABH22CK20	EPIC MCB03C3LSABH22RK20	EPIC MCB03C3LRSABH22CY20	EPIC MCB03C3LRSABH22RY20
		7433502557	7433502560	7433502581	7433502584
	5 m	EPIC MCB03C3LSABH22CK30	EPIC MCB03C3LSABH22RK30	EPIC MCB03C3LRSABH22CY30	EPIC MCB03C3LRSABH22RY30
		7433502558	7433502561	7433502582	7433502585
4 Pin	1 m	EPIC MCB04C3LSABH22CK10	EPIC MCB04C3LSABH22RK10	EPIC MCB04C3LRSABH22CY10	EPIC MCB04C3LRSABH22RY10
		7433502562	7433502565	7433502586	7433502589
	2 m	EPIC MCB04C3LSABH22CK20	EPIC MCB04C3LSABH22RK20	EPIC MCB04C3LRSABH22CY20	EPIC MCB04C3LRSABH22RY20
		7433502563	7433502566	7433502587	7433502590
	5 m	EPIC MCB04C3LSABH22CK30	EPIC MCB04C3LSABH22RK30	EPIC MCB04C3LRSABH22CY30	EPIC MCB04C3LRSABH22RY30
		7433502564	7433502567	7433502588	7433502591
5 Pin	1 m	EPIC MCB05C3LSABH22CK10	EPIC MCB05C3LSABH22RK10	EPIC MCB05C3LRSABH22CY10	EPIC MCB05C3LRSABH22RY10
		7433502568	7433502571	7433502592	7433502595
	2 m	EPIC MCB05C3LSABH22CK20	EPIC MCB05C3LSABH22RK20	EPIC MCB05C3LRSABH22CY20	EPIC MCB05C3LRSABH22RY20
		7433502569	7433502572	7433502593	7433502596
	5 m	EPIC MCB05C3LSABH22CK30	EPIC MCB05C3LSABH22RK30	EPIC MCB05C3LRSABH22CY30	EPIC MCB05C3LRSABH22RY30
		7433502570	7433502573	7433502594	7433502597
8 Pin	1 m	EPIC MCB08C3LSABH24CK10	EPIC MCB08C3LSABH24RK10	EPIC MCB08C3LRSABH24CY10	EPIC MCB08C3LRSABH24RY10
		7433502574	7433502577	7433502598	7433502601
	2 m	EPIC MCB08C3LSABH24CK20	EPIC MCB08C3LSABH24RK20	EPIC MCB08C3LRSABH24CY20	EPIC MCB08C3LRSABH24RY20
		7433502575	7433502578	7433502599	7433502602
	5 m	EPIC MCB08C3LSABH24CK30	EPIC MCB08C3LSABH24RK30	EPIC MCB08C3LRSABH24CY30	EPIC MCB08C3LRSABH24RY30
		7433502576	7433502579	7433502600	7433502603

M12 A-Code, male to female, sensor cables, Un-shielded, Weld Splatter Resistant, 10 million drag chain



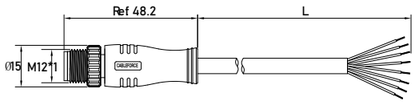


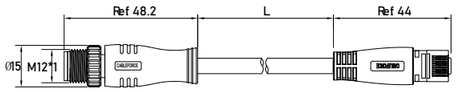
Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm				
Termination	Soldering				
Cable specification	0.34mm² (AWG 22)			0.25mm² AWG24	0.14mm² (AWG 26)
Rated temperature	Flexible –25 °C ... +105 °C, Static – 40 °C ... +105 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass , Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				
Bending life	10 million cycles				

Ordering No.					
Poles	Cable length	Brass Screw		Brass Hexagon Screw	
		PUR (Cable)	XLPE (Cable)	PUR (Cable)	XLPE (Cable)
3 Pin	1 m	EPIC MC03C3LSAB22RO10-F10WR	EPIC MC03C3LSAB22XEO10-F10WR	EPIC MC03C3LSABH22RY10-F10WR	EPIC MC03C3LSABH22XEY10-F10WR
		7433502604	7433502607	7433502634	7433502637
	2 m	EPIC MC03C3LSAB22RO20-F10WR	EPIC MC03C3LSAB22XEO20-F10WR	EPIC MC03C3LSABH22RY20-F10WR	EPIC MC03C3LSABH22XEY20-F10WR
		7433502605	7433502608	7433502635	7433502638
	5 m	EPIC MC03C3LSAB22RO50-F10WR	EPIC MC03C3LSAB22XEO50-F10WR	EPIC MC03C3LSABH22RY50-F10WR	EPIC MC03C3LSABH22XEY50-F10WR
		7433502606	7433502609	7433502636	7433502639
4 Pin	1 m	EPIC MC04C3LSAB22RO10-F10WR	EPIC MC04C3LSAB22XEO10-F10WR	EPIC MC04C3LSABH22RY10-F10WR	EPIC MC04C3LSABH22XEY10-F10WR
		7433502610	7433502613	7433502640	7433502643
	2 m	EPIC MC04C3LSAB22RO20-F10WR	EPIC MC04C3LSAB22XEO20-F10WR	EPIC MC04C3LSABH22RY20-F10WR	EPIC MC04C3LSABH22XEY20-F10WR
		7433502611	7433502614	7433502641	7433502644
	5 m	EPIC MC04C3LSAB22RO50-F10WR	EPIC MC04C3LSAB22XEO50-F10WR	EPIC MC04C3LSABH22RY50-F10WR	EPIC MC04C3LSABH22XEY50-F10WR
		7433502612	7433502615	7433502642	7433502645
5 Pin	1 m	EPIC MC05C3LSAB22RO10-F10WR	EPIC MC05C3LSAB22XEO10-F10WR	EPIC MC05C3LSABH22RY10-F10WR	EPIC MC05C3LSABH22XEY10-F10WR
		7433502616	7433502619	7433502646	7433502649
	2 m	EPIC MC05C3LSAB22RO20-F10WR	EPIC MC05C3LSAB22XEO20-F10WR	EPIC MC05C3LSABH22RY20-F10WR	EPIC MC05C3LSABH22XEY20-F10WR
		7433502617	7433502620	7433502647	7433502650
	5 m	EPIC MC05C3LSAB22RO50-F10WR	EPIC MC05C3LSAB22XEO50-F10WR	EPIC MC05C3LSABH22RY50-F10WR	EPIC MC05C3LSABH22XEY50-F10WR
		7433502618	7433502621	7433502648	7433502651
8 Pin	1 m	EPIC MC08C3LSAB24RO10-F10WR	EPIC MC08C3LSAB24XEO10-F10WR	EPIC MC08C3LSABH24RY10-F10WR	EPIC MC08C3LSABH24XEY10-F10WR
		7433502622	7433502625	7433502652	7433502655
	2 m	EPIC MC08C3LSAB24RO20-F10WR	EPIC MC08C3LSAB24XEO20-F10WR	EPIC MC08C3LSABH24RY20-F10WR	EPIC MC08C3LSABH24XEY20-F10WR
		7433502623	7433502626	7433502653	7433502656
	5 m	EPIC MC08C3LSAB24RO50-F10WR	EPIC MC08C3LSAB24XEO50-F10WR	EPIC MC08C3LSABH24RY50-F10WR	EPIC MC08C3LSABH24XEY50-F10WR
		7433502624	7433502627	7433502654	7433502657
12 Pin	1 m	EPIC MC12C3LSAB26RO10-F10WR	EPIC MC12C3LSAB26XEO10-F10WR	EPIC MC12C3LSABH26RY10-F10WR	EPIC MC12C3LSABH26XEY10-F10WR
		7433502628	7433502631	7433502658	7433502661
	2 m	EPIC MC12C3LSAB26RO20-F10WR	EPIC MC12C3LSAB26XEO20-F10WR	EPIC MC12C3LSABH26RY20-F10WR	EPIC MC12C3LSABH26XEY20-F10WR
		7433502629	7433502632	7433502659	7433502662
	5 m	EPIC MC12C3LSAB26RO50-F10WR	EPIC MC12C3LSAB26XEO50-F10WR	EPIC MC12C3LSABH26RY50-F10WR	EPIC MC12C3LSABH26XEY50-F10WR
		7433502630	7433502633	7433502660	7433502663

M12 A-Code Ethernet Cable

M12 A-Code 8Pin male Ethernet cables, Molded Cat 5E SFTP 4x2x26AWG Ethernet Cable



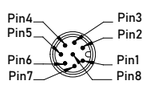


Connector Technical data			
Contacts No.	M12 Male	Cable Color	RJ45 Male
Front View			
Reference Standard	IEC 61076-2-109		
Rated current	2A		
Rated voltage	30V		
Impulse voltage	1500V		
Locking system	M12 x 1.0 screw		
Termination	M12: Soldering, RJ45: Piercing		
Cable specification	Cat 5E S/FTP 4x2x26AWG (0.14mm²) Ethernet Cable		
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Characteristic impedance	100Ω ±15		
Over-molding	TPU		
Contact carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (3μ" Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP65, IP67		
Drag chain bending	N/A		
Pollution degree	3		

Ordering No.

Poles	Cable length	M12 Singled ended Cable		M12 - RJ45 Cable	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8 Pin	0.3 m	EPIC MC08C1LSASB26CG03-PFN	EPIC MC08C1LSASB26RG03-PFN	EPIC RJ5E MC08C1LSASB26CG03-PFN	EPIC RJ5E MC08C1LSASB26RG03-PFN
		7433502664	7433502670	7433502676	7433502682
	0.6 m	EPIC MC08C1LSASB26CG06-PFN	EPIC MC08C1LSASB26RG06-PFN	EPIC RJ5E MC08C1LSASB26CG06-PFN	EPIC RJ5E MC08C1LSASB26RG06-PFN
		7433502665	7433502671	7433502677	7433502683
	1.0 m	EPIC MC08C1LSASB26CG10-PFN	EPIC MC08C1LSASB26RG10-PFN	EPIC RJ5E MC08C1LSASB26CG10-PFN	EPIC RJ5E MC08C1LSASB26RG10-PFN
		7433502666	7433502672	7433502678	7433502684
	1.5 m	EPIC MC08C1LSASB26CG15-PFN	EPIC MC08C1LSASB26RG15-PFN	EPIC RJ5E MC08C1LSASB26CG15-PFN	EPIC RJ5E MC08C1LSASB26RG15-PFN
		7433502667	7433502673	7433502679	7433502685
	2.0 m	EPIC MC08C1LSASB26CG20-PFN	EPIC MC08C1LSASB26RG20-PFN	EPIC RJ5E MC08C1LSASB26CG20-PFN	EPIC RJ5E MC08C1LSASB26RG20-PFN
		7433502668	7433502674	7433502680	7433502686
	3.0 m	EPIC MC08C1LSASB26CG30-PFN	EPIC MC08C1LSASB26RG30-PFN	EPIC RJ5E MC08C1LSASB26CG30-PFN	EPIC RJ5E MC08C1LSASB26RG30-PFN
		7433502669	7433502675	7433502681	7433502687

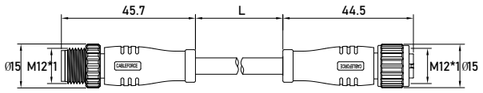
Wiring Diagram

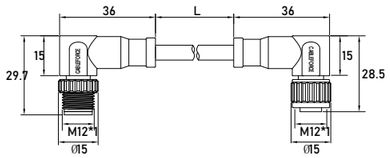


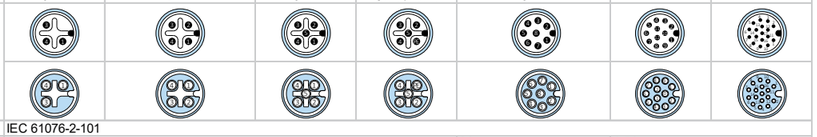
Pin Assignment
Front View
M12 male A-Coding 8PIN

M12 A-Code Connecting Cable

M12 A-Code, male to female, double ended, molded cable, Un-shielded



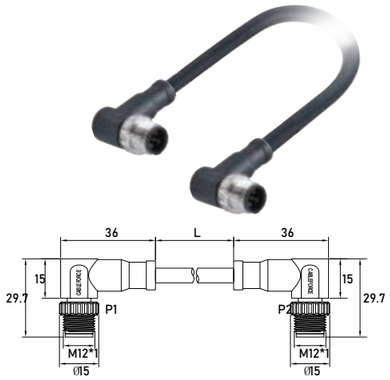


Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)				0.25mm² AWG24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass , Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM/ Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSAB22CK10	EPIC MC03C3LSAB22RK10	EPIC MC03C3RSAB22CK10	EPIC MC03C3RSAB22RK10
		7433502688	7433502691	7433502724	7433502727
	2 m	EPIC MC03C3LSAB22CK20	EPIC MC03C3LSAB22RK20	EPIC MC03C3RSAB22CK20	EPIC MC03C3RSAB22RK20
		7433502689	7433502692	7433502725	7433502728
	5 m	EPIC MC03C3LSAB22CK50	EPIC MC03C3LSAB22RK50	EPIC MC03C3RSAB22CK50	EPIC MC03C3RSAB22RK50
		7433502690	7433502693	7433502726	7433502729
4 Pin	1 m	EPIC MC04C3LSAB22CK10	EPIC MC04C3LSAB22RK10	EPIC MC04C3RSAB22CK10	EPIC MC04C3RSAB22RK10
		7433502694	7433502697	7433502730	7433502733
	2 m	EPIC MC04C3LSAB22CK20	EPIC MC04C3LSAB22RK20	EPIC MC04C3RSAB22CK20	EPIC MC04C3RSAB22RK20
		7433502695	7433502698	7433502731	7433502734
	5 m	EPIC MC04C3LSAB22CK50	EPIC MC04C3LSAB22RK50	EPIC MC04C3RSAB22CK50	EPIC MC04C3RSAB22RK50
		7433502696	7433502699	7433502732	7433502735
5 Pin	1 m	EPIC MC05C3LSAB22CK10	EPIC MC05C3LSAB22RK10	EPIC MC05C3RSAB22CK10	EPIC MC05C3RSAB22RK10
		7433502700	7433502703	7433502736	7433502739
	2 m	EPIC MC05C3LSAB22CK20	EPIC MC05C3LSAB22RK20	EPIC MC05C3RSAB22CK20	EPIC MC05C3RSAB22RK20
		7433502701	7433502704	7433502737	7433502740
	5 m	EPIC MC05C3LSAB22CK50	EPIC MC05C3LSAB22RK50	EPIC MC05C3RSAB22CK50	EPIC MC05C3RSAB22RK50
		7433502702	7433502705	7433502738	7433502741
8 Pin	1 m	EPIC MC08C3LSAB24CK10	EPIC MC08C3LSAB24RK10	EPIC MC08C3RSAB24CK10	EPIC MC08C3RSAB24RK10
		7433502706	7433502709	7433502742	7433502745
	2 m	EPIC MC08C3LSAB24CK20	EPIC MC08C3LSAB24RK20	EPIC MC08C3RSAB24CK20	EPIC MC08C3RSAB24RK20
		7433502707	7433502710	7433502743	7433502746
	5 m	EPIC MC08C3LSAB24CK50	EPIC MC08C3LSAB24RK50	EPIC MC08C3RSAB24CK50	EPIC MC08C3RSAB24RK50
		7433502708	7433502711	7433502744	7433502747
12 Pin	1 m	EPIC MC12C3LSAB26CK10	EPIC MC12C3LSAB26RK10	EPIC MC12C3RSAB26CK10	EPIC MC12C3RSAB26RK10
		7433502712	7433502715	7433502748	7433502751
	2 m	EPIC MC12C3LSAB26CK20	EPIC MC12C3LSAB26RK20	EPIC MC12C3RSAB26CK20	EPIC MC12C3RSAB26RK20
		7433502713	7433502716	7433502749	7433502752
	5 m	EPIC MC12C3LSAB26CK50	EPIC MC12C3LSAB26RK50	EPIC MC12C3RSAB26CK50	EPIC MC12C3RSAB26RK50
		7433502714	7433502717	7433502750	7433502753
17 Pin	1 m	EPIC MC17C3LSAB26CK10	EPIC MC17C3LSAB26RK10	EPIC MC17C3RSAB26CK10	EPIC MC17C3RSAB26RK10
		7433502718	7433502721	7433502754	7433502757
	2 m	EPIC MC17C3LSAB26CK20	EPIC MC17C3LSAB26RK20	EPIC MC17C3RSAB26CK20	EPIC MC17C3RSAB26RK20
		7433502719	7433502722	7433502755	7433502758
	5 m	EPIC MC17C3LSAB26CK50	EPIC MC17C3LSAB26RK50	EPIC MC17C3RSAB26CK50	EPIC MC17C3RSAB26RK50
		7433502720	7433502723	7433502756	7433502759

M12 A-Code, male to male, double ended, molded cable, Un-shielded

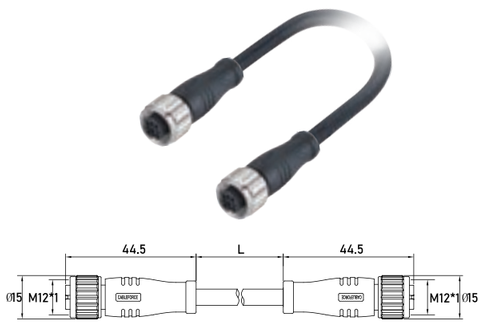


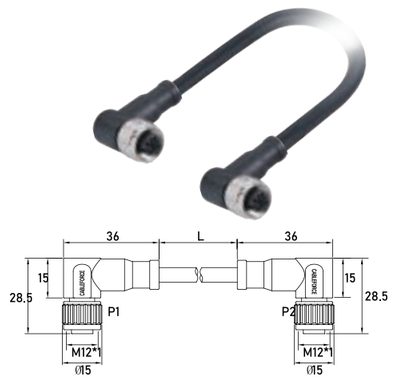
Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)				0.25mm² AWG 24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	FKM/ Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C5LSAB22CK10 7433502760	EPIC MC03C5LSAB22RK10 7433502763	EPIC MC03C5RSAB22CK10 7433502796	EPIC MC03C5RSAB22RK10 7433502799
	2 m	EPIC MC03C5LSAB22CK20 7433502761	EPIC MC03C5LSAB22RK20 7433502764	EPIC MC03C5RSAB22CK20 7433502797	EPIC MC03C5RSAB22RK20 7433502800
	5 m	EPIC MC03C5LSAB22CK50 7433502762	EPIC MC03C5LSAB22RK50 7433502765	EPIC MC03C5RSAB22CK50 7433502798	EPIC MC03C5RSAB22RK50 7433502801
4 Pin	1 m	EPIC MC04C5LSAB22CK10 7433502766	EPIC MC04C5LSAB22RK10 7433502769	EPIC MC04C5RSAB22CK10 7433502802	EPIC MC04C5RSAB22RK10 7433502805
	2 m	EPIC MC04C5LSAB22CK20 7433502767	EPIC MC04C5LSAB22RK20 7433502770	EPIC MC04C5RSAB22CK20 7433502803	EPIC MC04C5RSAB22RK20 7433502806
	5 m	EPIC MC04C5LSAB22CK50 7433502768	EPIC MC04C5LSAB22RK50 7433502771	EPIC MC04C5RSAB22CK50 7433502804	EPIC MC04C5RSAB22RK50 7433502807
5 Pin	1 m	EPIC MC05C5LSAB22CK10 7433502772	EPIC MC05C5LSAB22RK10 7433502775	EPIC MC05C5RSAB22CK10 7433502808	EPIC MC05C5RSAB22RK10 7433502811
	2 m	EPIC MC05C5LSAB22CK20 7433502773	EPIC MC05C5LSAB22RK20 7433502776	EPIC MC05C5RSAB22CK20 7433502809	EPIC MC05C5RSAB22RK20 7433502812
	5 m	EPIC MC05C5LSAB22CK50 7433502774	EPIC MC05C5LSAB22RK50 7433502777	EPIC MC05C5RSAB22CK50 7433502810	EPIC MC05C5RSAB22RK50 7433502813
8 Pin	1 m	EPIC MC08C5LSAB24CK10 7433502778	EPIC MC08C5LSAB24RK10 7433502781	EPIC MC08C5RSAB24CK10 7433502814	EPIC MC08C5RSAB24RK10 7433502817
	2 m	EPIC MC08C5LSAB24CK20 7433502779	EPIC MC08C5LSAB24RK20 7433502782	EPIC MC08C5RSAB24CK20 7433502815	EPIC MC08C5RSAB24RK20 7433502818
	5 m	EPIC MC08C5LSAB24CK50 7433502780	EPIC MC08C5LSAB24RK50 7433502783	EPIC MC08C5RSAB24CK50 7433502816	EPIC MC08C5RSAB24RK50 7433502819
12 Pin	1 m	EPIC MC12C5LSAB26CK10 7433502784	EPIC MC12C5LSAB26RK10 7433502787	EPIC MC12C5RSAB26CK10 7433502820	EPIC MC12C5RSAB26RK10 7433502823
	2 m	EPIC MC12C5LSAB26CK20 7433502785	EPIC MC12C5LSAB26RK20 7433502788	EPIC MC12C5RSAB26CK20 7433502821	EPIC MC12C5RSAB26RK20 7433502824
	5 m	EPIC MC12C5LSAB26CK50 7433502786	EPIC MC12C5LSAB26RK50 7433502789	EPIC MC12C5RSAB26CK50 7433502822	EPIC MC12C5RSAB26RK50 7433502825
17 Pin	1 m	EPIC MC17C5LSAB26CK10 7433502790	EPIC MC17C5LSAB26RK10 7433502793	EPIC MC17C5RSAB26CK10 7433502826	EPIC MC17C5RSAB26RK10 7433502829
	2 m	EPIC MC17C5LSAB26CK20 7433502791	EPIC MC17C5LSAB26RK20 7433502794	EPIC MC17C5RSAB26CK20 7433502827	EPIC MC17C5RSAB26RK20 7433502830
	5 m	EPIC MC17C5LSAB26CK50 7433502792	EPIC MC17C5LSAB26RK50 7433502795	EPIC MC17C5RSAB26CK50 7433502828	EPIC MC17C5RSAB26RK50 7433502831

M12 A-Code, female to female, double ended, molded cable, Un-shielded





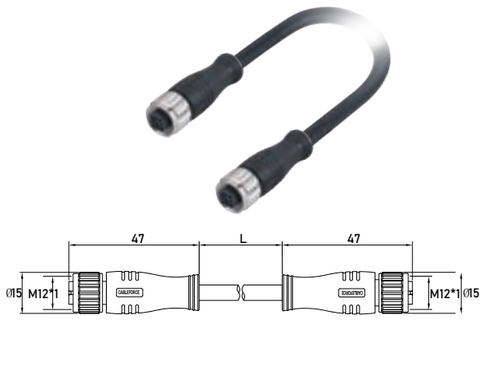
Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)				0.25mm² AWG 24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM/ Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

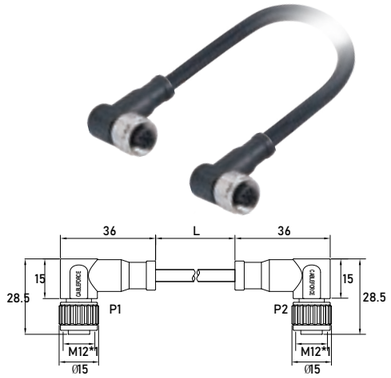
Ordering No.

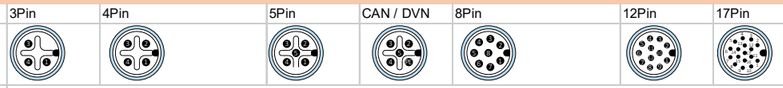
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C4LSAB22CK10 7433502832	EPIC MC03C4LSAB22RK10 7433502835	EPIC MC03C4RSAB22CK10 7433502868	EPIC MC03C4RSAB22RK10 7433502871
	2 m	EPIC MC03C4LSAB22CK20 7433502833	EPIC MC03C4LSAB22RK20 7433502836	EPIC MC03C4RSAB22CK20 7433502869	EPIC MC03C4RSAB22RK20 7433502872
	5 m	EPIC MC03C4LSAB22CK50 7433502834	EPIC MC03C4LSAB22RK50 7433502837	EPIC MC03C4RSAB22CK50 7433502870	EPIC MC03C4RSAB22RK50 7433502873
4 Pin	1 m	EPIC MC04C4LSAB22CK10 7433502838	EPIC MC04C4LSAB22RK10 7433502841	EPIC MC04C4RSAB22CK10 7433502874	EPIC MC04C4RSAB22RK10 7433502877
	2 m	EPIC MC04C4LSAB22CK20 7433502839	EPIC MC04C4LSAB22RK20 7433502842	EPIC MC04C4RSAB22CK20 7433502875	EPIC MC04C4RSAB22RK20 7433502878
	5 m	EPIC MC04C4LSAB22CK50 7433502840	EPIC MC04C4LSAB22RK50 7433502843	EPIC MC04C4RSAB22CK50 7433502876	EPIC MC04C4RSAB22RK50 7433502879
5 Pin	1 m	EPIC MC05C4LSAB22CK10 7433502844	EPIC MC05C4LSAB22RK10 7433502847	EPIC MC05C4RSAB22CK10 7433502880	EPIC MC05C4RSAB22RK10 7433502883
	2 m	EPIC MC05C4LSAB22CK20 7433502845	EPIC MC05C4LSAB22RK20 7433502848	EPIC MC05C4RSAB22CK20 7433502881	EPIC MC05C4RSAB22RK20 7433502884
	5 m	EPIC MC05C4LSAB22CK50 7433502846	EPIC MC05C4LSAB22RK50 7433502849	EPIC MC05C4RSAB22CK50 7433502882	EPIC MC05C4RSAB22RK50 7433502885
8 Pin	1 m	EPIC MC08C4LSAB24CK10 7433502850	EPIC MC08C4LSAB24RK10 7433502853	EPIC MC08C4RSAB24CK10 7433502886	EPIC MC08C4RSAB24RK10 7433502889
	2 m	EPIC MC08C4LSAB24CK20 7433502851	EPIC MC08C4LSAB24RK20 7433502854	EPIC MC08C4RSAB24CK20 7433502887	EPIC MC08C4RSAB24RK20 7433502890
	5 m	EPIC MC08C4LSAB24CK50 7433502852	EPIC MC08C4LSAB24RK50 7433502855	EPIC MC08C4RSAB24CK50 7433502888	EPIC MC08C4RSAB24RK50 7433502891
12 Pin	1 m	EPIC MC12C4LSAB26CK10 7433502856	EPIC MC12C4LSAB26RK10 7433502859	EPIC MC12C4RSAB26CK10 7433502892	EPIC MC12C4RSAB26RK10 7433502895
	2 m	EPIC MC12C4LSAB26CK20 7433502857	EPIC MC12C4LSAB26RK20 7433502860	EPIC MC12C4RSAB26CK20 7433502893	EPIC MC12C4RSAB26RK20 7433502896
	5 m	EPIC MC12C4LSAB26CK50 7433502858	EPIC MC12C4LSAB26RK50 7433502861	EPIC MC12C4RSAB26CK50 7433502894	EPIC MC12C4RSAB26RK50 7433502897
17 Pin	1 m	EPIC MC17C4LSAB26CK10 7433502862	EPIC MC17C4LSAB26RK10 7433502865	EPIC MC17C4RSAB26CK10 7433502898	EPIC MC17C4RSAB26RK10 7433502901
	2 m	EPIC MC17C4LSAB26CK20 7433502863	EPIC MC17C4LSAB26RK20 7433502866	EPIC MC17C4RSAB26CK20 7433502899	EPIC MC17C4RSAB26RK20 7433502902
	5 m	EPIC MC17C4LSAB26CK50 7433502864	EPIC MC17C4LSAB26RK50 7433502867	EPIC MC17C4RSAB26CK50 7433502900	EPIC MC17C4RSAB26RK50 7433502903

M12 A-Code Connecting Cable, Shielded

M12 A-Code, female to female, double ended, molded cable, 360° EMI-Shielded





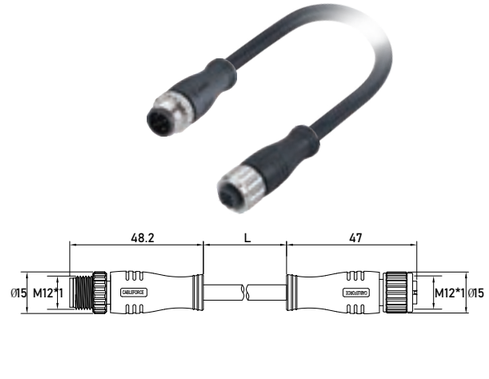
Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)				0.25mm² AWG 24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM/ Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

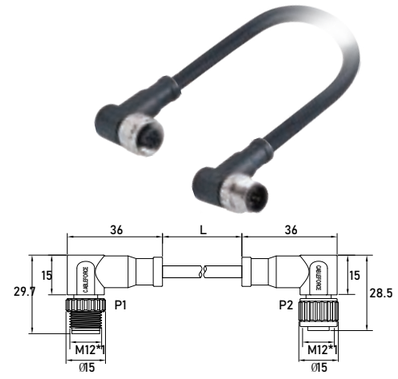
Ordering No.

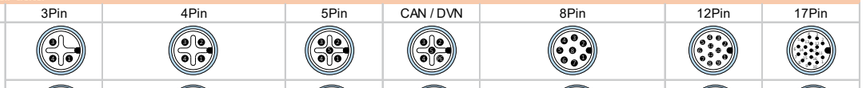
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C4LSASB22CK10 7433502904	EPIC MC03C4LSASB22RK10 7433502907	EPIC MC03C4RSASB22CK10 7433502940	EPIC MC03C4RSASB22RK10 7433502943
	2 m	EPIC MC03C4LSASB22CK20 7433502905	EPIC MC03C4LSASB22RK20 7433502908	EPIC MC03C4RSASB22CK20 7433502941	EPIC MC03C4RSASB22RK20 7433502944
	5 m	EPIC MC03C4LSASB22CK50 7433502906	EPIC MC03C4LSASB22RK50 7433502909	EPIC MC03C4RSASB22CK50 7433502942	EPIC MC03C4RSASB22RK50 7433502945
4 Pin	1 m	EPIC MC04C4LSASB22CK10 7433502910	EPIC MC04C4LSASB22RK10 7433502913	EPIC MC04C4RSASB22CK10 7433502946	EPIC MC04C4RSASB22RK10 7433502949
	2 m	EPIC MC04C4LSASB22CK20 7433502911	EPIC MC04C4LSASB22RK20 7433502914	EPIC MC04C4RSASB22CK20 7433502947	EPIC MC04C4RSASB22RK20 7433502950
	5 m	EPIC MC04C4LSASB22CK50 7433502912	EPIC MC04C4LSASB22RK50 7433502915	EPIC MC04C4RSASB22CK50 7433502948	EPIC MC04C4RSASB22RK50 7433502951
5 Pin	1 m	EPIC MC05C4LSASB22CK10 7433502916	EPIC MC05C4LSASB22RK10 7433502919	EPIC MC05C4RSASB22CK10 7433502952	EPIC MC05C4RSASB22RK10 7433502955
	2 m	EPIC MC05C4LSASB22CK20 7433502917	EPIC MC05C4LSASB22RK20 7433502920	EPIC MC05C4RSASB22CK20 7433502953	EPIC MC05C4RSASB22RK20 7433502956
	5 m	EPIC MC05C4LSASB22CK50 7433502918	EPIC MC05C4LSASB22RK50 7433502921	EPIC MC05C4RSASB22CK50 7433502954	EPIC MC05C4RSASB22RK50 7433502957
8 Pin	1 m	EPIC MC08C4LSASB24CK10 7433502922	EPIC MC08C4LSASB24RK10 7433502925	EPIC MC08C4RSASB24CK10 7433502958	EPIC MC08C4RSASB24RK10 7433502961
	2 m	EPIC MC08C4LSASB24CK20 7433502923	EPIC MC08C4LSASB24RK20 7433502926	EPIC MC08C4RSASB24CK20 7433502959	EPIC MC08C4RSASB24RK20 7433502962
	5 m	EPIC MC08C4LSASB24CK50 7433502924	EPIC MC08C4LSASB24RK50 7433502927	EPIC MC08C4RSASB24CK50 7433502960	EPIC MC08C4RSASB24RK50 7433502963
12 Pin	1 m	EPIC MC12C4LSASB26CK10 7433502928	EPIC MC12C4LSASB26RK10 7433502931	EPIC MC12C4RSASB26CK10 7433502964	EPIC MC12C4RSASB26RK10 7433502967
	2 m	EPIC MC12C4LSASB26CK20 7433502929	EPIC MC12C4LSASB26RK20 7433502932	EPIC MC12C4RSASB26CK20 7433502965	EPIC MC12C4RSASB26RK20 7433502968
	5 m	EPIC MC12C4LSASB26CK50 7433502930	EPIC MC12C4LSASB26RK50 7433502933	EPIC MC12C4RSASB26CK50 7433502966	EPIC MC12C4RSASB26RK50 7433502969
17 Pin	1 m	EPIC MC17C4LSASB26CK10 7433502934	EPIC MC17C4LSASB26RK10 7433502937	EPIC MC17C4RSASB26CK10 7433502970	EPIC MC17C4RSASB26RK10 7433502973
	2 m	EPIC MC17C4LSASB26CK20 7433502935	EPIC MC17C4LSASB26RK20 7433502938	EPIC MC17C4RSASB26CK20 7433502971	EPIC MC17C4RSASB26RK20 7433502974
	5 m	EPIC MC17C4LSASB26CK50 7433502936	EPIC MC17C4LSASB26RK50 7433502939	EPIC MC17C4RSASB26CK50 7433502972	EPIC MC17C4RSASB26RK50 7433502975

M12 A-Code Connecting Cable

M12 A-Code, male to female, double ended, molded cable, 360° EMI-Shielded





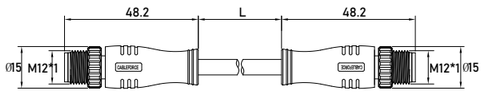
Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)				0.25mm² AWG 24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass / Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM/ Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

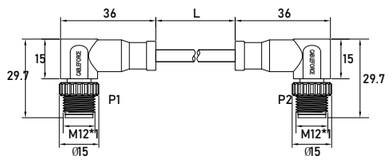
Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSASB22CK10 7433502976	EPIC MC03C3LSASB22RK10 7433502979	EPIC MC03C3RSASB22CK10 7433503012	EPIC MC03C3RSASB22RK10 7433503015
	2 m	EPIC MC03C3LSASB22CK20 7433502977	EPIC MC03C3LSASB22RK20 7433502980	EPIC MC03C3RSASB22CK20 7433503013	EPIC MC03C3RSASB22RK20 7433503016
	5 m	EPIC MC03C3LSASB22CK50 7433502978	EPIC MC03C3LSASB22RK50 7433502981	EPIC MC03C3RSASB22CK50 7433503014	EPIC MC03C3RSASB22RK50 7433503017
4 Pin	1 m	EPIC MC04C3LSASB22CK10 7433502982	EPIC MC04C3LSASB22RK10 7433502985	EPIC MC04C3RSASB22CK10 7433503018	EPIC MC04C3RSASB22RK10 7433503021
	2 m	EPIC MC04C3LSASB22CK20 7433502983	EPIC MC04C3LSASB22RK20 7433502986	EPIC MC04C3RSASB22CK20 7433503019	EPIC MC04C3RSASB22RK20 7433503022
	5 m	EPIC MC04C3LSASB22CK50 7433502984	EPIC MC04C3LSASB22RK50 7433502987	EPIC MC04C3RSASB22CK50 7433503020	EPIC MC04C3RSASB22RK50 7433503023
5 Pin	1 m	EPIC MC05C3LSASB22CK10 7433502988	EPIC MC05C3LSASB22RK10 7433502991	EPIC MC05C3RSASB22CK10 7433503024	EPIC MC05C3RSASB22RK10 7433503027
	2 m	EPIC MC05C3LSASB22CK20 7433502989	EPIC MC05C3LSASB22RK20 7433502992	EPIC MC05C3RSASB22CK20 7433503025	EPIC MC05C3RSASB22RK20 7433503028
	5 m	EPIC MC05C3LSASB22CK50 7433502990	EPIC MC05C3LSASB22RK50 7433502993	EPIC MC05C3RSASB22CK50 7433503026	EPIC MC05C3RSASB22RK50 7433503029
8 Pin	1 m	EPIC MC08C3LSASB24CK10 7433502994	EPIC MC08C3LSASB24RK10 7433502997	EPIC MC08C3RSASB24CK10 7433503030	EPIC MC08C3RSASB24RK10 7433503033
	2 m	EPIC MC08C3LSASB24CK20 7433502995	EPIC MC08C3LSASB24RK20 7433502998	EPIC MC08C3RSASB24CK20 7433503031	EPIC MC08C3RSASB24RK20 7433503034
	5 m	EPIC MC08C3LSASB24CK50 7433502996	EPIC MC08C3LSASB24RK50 7433502999	EPIC MC08C3RSASB24CK50 7433503032	EPIC MC08C3RSASB24RK50 7433503035
12 Pin	1 m	EPIC MC12C3LSASB26CK10 7433503000	EPIC MC12C3LSASB26RK10 7433503003	EPIC MC12C3RSASB26CK10 7433503036	EPIC MC12C3RSASB26RK10 7433503039
	2 m	EPIC MC12C3LSASB26CK20 7433503001	EPIC MC12C3LSASB26RK20 7433503004	EPIC MC12C3RSASB26CK20 7433503037	EPIC MC12C3RSASB26RK20 7433503040
	5 m	EPIC MC12C3LSASB26CK50 7433503002	EPIC MC12C3LSASB26RK50 7433503005	EPIC MC12C3RSASB26CK50 7433503038	EPIC MC12C3RSASB26RK50 7433503041
17 Pin	1 m	EPIC MC17C3LSASB26CK10 7433503006	EPIC MC17C3LSASB26RK10 7433503009	EPIC MC17C3RSASB26CK10 7433503042	EPIC MC17C3RSASB26RK10 7433503045
	2 m	EPIC MC17C3LSASB26CK20 7433503007	EPIC MC17C3LSASB26RK20 7433503010	EPIC MC17C3RSASB26CK20 7433503043	EPIC MC17C3RSASB26RK20 7433503046
	5 m	EPIC MC17C3LSASB26CK50 7433503008	EPIC MC17C3LSASB26RK50 7433503011	EPIC MC17C3RSASB26CK50 7433503044	EPIC MC17C3RSASB26RK50 7433503047

M12 A-Code Connecting Cable

M12 A-Code, male to male, double ended, molded cable, 360° EMI-Shielded





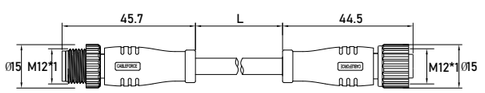
Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)				0.25mm² AWG 24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	FKM/ Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

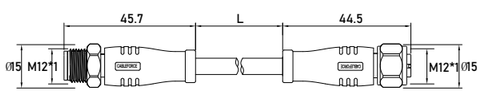
Ordering No.

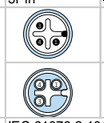
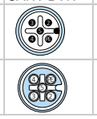
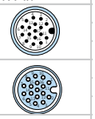
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C5LSASB22CK10 7433503048	EPIC MC03C5LSASB22RK10 7433503051	EPIC MC03C5RSASB22CK10 7433503084	EPIC MC03C5RSASB22RK10 7433503087
	2 m	EPIC MC03C5LSASB22CK20 7433503049	EPIC MC03C5LSASB22RK20 7433503052	EPIC MC03C5RSASB22CK20 7433503085	EPIC MC03C5RSASB22RK20 7433503088
	5 m	EPIC MC03C5LSASB22CK50 7433503050	EPIC MC03C5LSASB22RK50 7433503053	EPIC MC03C5RSASB22CK50 7433503086	EPIC MC03C5RSASB22RK50 7433503089
4 Pin	1 m	EPIC MC04C5LSASB22CK10 7433503054	EPIC MC04C5LSASB22RK10 7433503057	EPIC MC04C5RSASB22CK10 7433503090	EPIC MC04C5RSASB22RK10 7433503093
	2 m	EPIC MC04C5LSASB22CK20 7433503055	EPIC MC04C5LSASB22RK20 7433503058	EPIC MC04C5RSASB22CK20 7433503091	EPIC MC04C5RSASB22RK20 7433503094
	5 m	EPIC MC04C5LSASB22CK50 7433503056	EPIC MC04C5LSASB22RK50 7433503059	EPIC MC04C5RSASB22CK50 7433503092	EPIC MC04C5RSASB22RK50 7433503095
5 Pin	1 m	EPIC MC05C5LSASB22CK10 7433503060	EPIC MC05C5LSASB22RK10 7433503063	EPIC MC05C5RSASB22CK10 7433503096	EPIC MC05C5RSASB22RK10 7433503099
	2 m	EPIC MC05C5LSASB22CK20 7433503061	EPIC MC05C5LSASB22RK20 7433503064	EPIC MC05C5RSASB22CK20 7433503097	EPIC MC05C5RSASB22RK20 7433503100
	5 m	EPIC MC05C5LSASB22CK50 7433503062	EPIC MC05C5LSASB22RK50 7433503065	EPIC MC05C5RSASB22CK50 7433503098	EPIC MC05C5RSASB22RK50 7433503101
8 Pin	1 m	EPIC MC08C5LSASB24CK10 7433503066	EPIC MC08C5LSASB24RK10 7433503069	EPIC MC08C5RSASB24CK10 7433503102	EPIC MC08C5RSASB24RK10 7433503105
	2 m	EPIC MC08C5LSASB24CK20 7433503067	EPIC MC08C5LSASB24RK20 7433503070	EPIC MC08C5RSASB24CK20 7433503103	EPIC MC08C5RSASB24RK20 7433503106
	5 m	EPIC MC08C5LSASB24CK50 7433503068	EPIC MC08C5LSASB24RK50 7433503071	EPIC MC08C5RSASB24CK50 7433503104	EPIC MC08C5RSASB24RK50 7433503107
12 Pin	1 m	EPIC MC12C5LSASB26CK10 7433503072	EPIC MC12C5LSASB26RK10 7433503075	EPIC MC12C5RSASB26CK10 7433503108	EPIC MC12C5RSASB26RK10 7433503111
	2 m	EPIC MC12C5LSASB26CK20 7433503073	EPIC MC12C5LSASB26RK20 7433503076	EPIC MC12C5RSASB26CK20 7433503109	EPIC MC12C5RSASB26RK20 7433503112
	5 m	EPIC MC12C5LSASB26CK50 7433503074	EPIC MC12C5LSASB26RK50 7433503077	EPIC MC12C5RSASB26CK50 7433503110	EPIC MC12C5RSASB26RK50 7433503113
17 Pin	1 m	EPIC MC17C5LSASB26CK10 7433503078	EPIC MC17C5LSASB26RK10 7433503081	EPIC MC17C5RSASB26CK10 7433503114	EPIC MC17C5RSASB26RK10 7433503117
	2 m	EPIC MC17C5LSASB26CK20 7433503079	EPIC MC17C5LSASB26RK20 7433503082	EPIC MC17C5RSASB26CK20 7433503115	EPIC MC17C5RSASB26RK20 7433503118
	5 m	EPIC MC17C5LSASB26CK50 7433503080	EPIC MC17C5LSASB26RK50 7433503083	EPIC MC17C5RSASB26CK50 7433503116	EPIC MC17C5RSASB26RK50 7433503119

M12 A-Code Connecting Cable

M12 A-Code, male to female, double ended, molded cable, Un-shielded



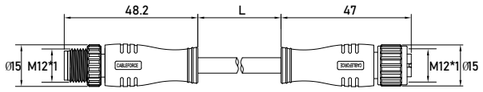


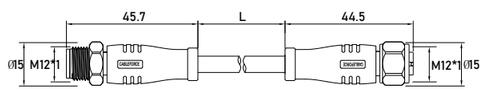
Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)				0.25mm² AWG 24	0.14mm² (AWG 26)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	PA66+GF，SUS 316 stainless steel						
Contact	Brass ，Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM/ Silicon O-Ring						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

Poles	Cable length	Plastic Screw		Stainless Steel Screw	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSAP22CK10 7433503120	EPIC MC03C3LSAP22RK10 7433503123	EPIC MC03C3LSAS22CK10 7433503156	EPIC MC03C3LSAS22RK10 7433503159
	2 m	EPIC MC03C3LSAP22CK20 7433503121	EPIC MC03C3LSAP22RK20 7433503124	EPIC MC03C3LSAS22CK20 7433503157	EPIC MC03C3LSAS22RK20 7433503160
	5 m	EPIC MC03C3LSAP22CK50 7433503122	EPIC MC03C3LSAP22RK50 7433503125	EPIC MC03C3LSAS22CK50 7433503158	EPIC MC03C3LSAS22RK50 7433503161
4 Pin	1 m	EPIC MC04C3LSAP22CK10 7433503126	EPIC MC04C3LSAP22RK10 7433503129	EPIC MC04C3LSAS22CK10 7433503162	EPIC MC04C3LSAS22RK10 7433503165
	2 m	EPIC MC04C3LSAP22CK20 7433503127	EPIC MC04C3LSAP22RK20 7433503130	EPIC MC04C3LSAS22CK20 7433503163	EPIC MC04C3LSAS22RK20 7433503166
	5 m	EPIC MC04C3LSAP22CK50 7433503128	EPIC MC04C3LSAP22RK50 7433503131	EPIC MC04C3LSAS22CK50 7433503164	EPIC MC04C3LSAS22RK50 7433503167
5 Pin	1 m	EPIC MC05C3LSAP22CK10 7433503132	EPIC MC05C3LSAP22RK10 7433503135	EPIC MC05C3LSAS22CK10 7433503168	EPIC MC05C3LSAS22RK10 7433503171
	2 m	EPIC MC05C3LSAP22CK20 7433503133	EPIC MC05C3LSAP22RK20 7433503136	EPIC MC05C3LSAS22CK20 7433503169	EPIC MC05C3LSAS22RK20 7433503172
	5 m	EPIC MC05C3LSAP22CK50 7433503134	EPIC MC05C3LSAP22RK50 7433503137	EPIC MC05C3LSAS22CK50 7433503170	EPIC MC05C3LSAS22RK50 7433503173
8 Pin	1 m	EPIC MC08C3LSAP24CK10 7433503138	EPIC MC08C3LSAP24RK10 7433503141	EPIC MC08C3LSAS24CK10 7433503174	EPIC MC08C3LSAS24RK10 7433503177
	2 m	EPIC MC08C3LSAP24CK20 7433503139	EPIC MC08C3LSAP24RK20 7433503142	EPIC MC08C3LSAS24CK20 7433503175	EPIC MC08C3LSAS24RK20 7433503178
	5 m	EPIC MC08C3LSAP24CK50 7433503140	EPIC MC08C3LSAP24RK50 7433503143	EPIC MC08C3LSAS24CK50 7433503176	EPIC MC08C3LSAS24RK50 7433503179
12 Pin	1 m	EPIC MC12C3LSAP26CK10 7433503144	EPIC MC12C3LSAP26RK10 7433503147	EPIC MC12C3LSAS24CK10 7433503180	EPIC MC12C3LSAS26RK10 7433503183
	2 m	EPIC MC12C3LSAP26CK20 7433503145	EPIC MC12C3LSAP26RK20 7433503148	EPIC MC12C3LSAS26CK20 7433503181	EPIC MC12C3LSAS26RK20 7433503184
	5 m	EPIC MC12C3LSAP26CK50 7433503146	EPIC MC12C3LSAP26RK50 7433503149	EPIC MC12C3LSAS26CK50 7433503182	EPIC MC12C3LSAS26RK50 7433503185
17 Pin	1 m	EPIC MC17C3LSAP26CK10 7433503150	EPIC MC17C3LSAP26RK10 7433503153	EPIC MC17C3LSAS26CK10 7433503186	EPIC MC17C3LSAS26RK10 7433503189
	2 m	EPIC MC17C3LSAP26CK20 7433503151	EPIC MC17C3LSAP26RK20 7433503154	EPIC MC17C3LSAS26CK20 7433503187	EPIC MC17C3LSAS26RK20 7433503190
	5 m	EPIC MC17C3LSAP26CK50 7433503152	EPIC MC17C3LSAP26RK50 7433503155	EPIC MC17C3LSAS26CK50 7433503188	EPIC MC17C3LSAS26RK50 7433503191

DeviceNet, CANopen NMEA2000 Micro, male to female, double ended, molded cable



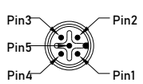


Connector Technical data			
Contacts No.	Male	Cable Color	Female
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	4A		
Rated voltage	60V		
Impulse voltage	1500V		
Locking system	M12 x 1.0 screw		
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm		
Termination	Soldering		
Cable specification	0.34mm² + 0.25 mm² (AWG 22 + AWG 24)		
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Characteristic impedance	120Ω ±15		
Over-molding	TPU		
Contact carrier	TPU + GF		
Screw nut	PA66+GF; Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP67, IP68		
Pollution degree	3		

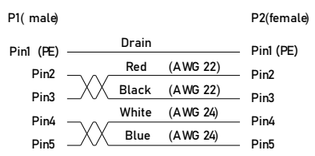
Ordering No.

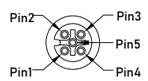
Poles	Cable length	Metal Screw Version		Stainless Steel Screw	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
5Pin (4P+PE)	0.3 m	EPIC MC05C3LSAB24CV03-DVN	EPIC MC05C3LSAB24RV03-DVN	EPIC MC05C3LSAS24CK03-DVN	EPIC MC05C3LSAS24RK03-DVN
		7433503192	7433503198	7433503204	7433503210
	1.0 m	EPIC MC05C3LSAB24CV10-DVN	EPIC MC05C3LSAB24RV10-DVN	EPIC MC05C3LSAS24CK10-DVN	EPIC MC05C3LSAS24RK10-DVN
		7433503193	7433503199	7433503205	7433503211
	1.8 m	EPIC MC05C3LSAB24CV18-DVN	EPIC MC05C3LSAB24RV18-DVN	EPIC MC05C3LSAS24CK18-DVN	EPIC MC05C3LSAS24RK18-DVN
		7433503194	7433503200	7433503206	7433503212
	2.0 m	EPIC MC05C3LSAB24CV20-DVN	EPIC MC05C3LSAB24RV20-DVN	EPIC MC05C3LSAS24CK20-DVN	EPIC MC05C3LSAS24RK20-DVN
		7433503195	7433503201	7433503207	7433503213
	3.0 m	EPIC MC05C3LSAB24CV30-DVN	EPIC MC05C3LSAB24RV30-DVN	EPIC MC05C3LSAS24CK30-DVN	EPIC MC05C3LSAS24RK30-DVN
		7433503196	7433503202	7433503208	7433503214
	6.0 m	EPIC MC05C3LSAB24CV60-DVN	EPIC MC05C3LSAB24RV60-DVN	EPIC MC05C3LSAS24CK60-DVN	EPIC MC05C3LSAS24RK60-DVN
		7433503197	7433503203	7433503209	7433503215

Wiring Diagram



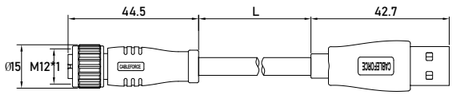
Pin Assignment
Front View
M12 male A-Coding 5 Pin

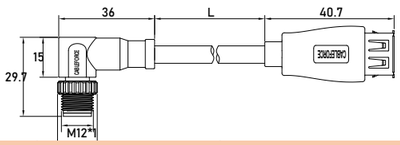




Pin Assignment
Front View
M12 female A-Coding 5Pin

M12 A-Code - USB 2.0 connector, molded with cable



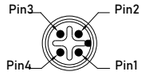


Connector Technical data				
Contacts No.	M12 A-code 4Pin Male	USB 2.0 Male	M12 A-code 4Pin Female	USB 2.0 Female
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	1A			
Rated voltage	30V			
Impulse voltage	500V			
Locking system	M12 x 1.0 screw			
Termination	Soldering			
Cable specification	0.25mm² (AWG 24)			
Rated temperature	–40 °C ... +75 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤10mΩ			
Over-molding	TPU			
Contact carrier	TPU+ GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP60			
Pollution degree	2			

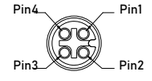
Ordering No.

Poles	Cable length	M12 A Female- USB 2.0 Male		M12 A Male - USB 2.0 Female	
		PVC Cable	PUR Cable	PVC Cable	PUR Cable
4 Pin - 4 Pin	0.3 m	EPIC MC04C2LSASB-U2C1-24CK03	EPIC MC04C2LSASB-U2C1-24RK03	EPIC MC04C1RSASB-U2C2-24CK03	EPIC MC04C1RSASB-U2C2-24RK03
		7433503216	7433503222	7433503228	7433503234
	0.6 m	EPIC MC04C2LSASB-U2C1-24CK06	EPIC MC04C2LSASB-U2C1-24RK06	EPIC MC04C1RSASB-U2C2-24CK06	EPIC MC04C1RSASB-U2C2-24RK06
		7433503217	7433503223	7433503229	7433503235
	1.0 m	EPIC MC04C2LSASB-U2C1-24CK10	EPIC MC04C2LSASB-U2C1-24RK10	EPIC MC04C1RSASB-U2C2-24CK10	EPIC MC04C1RSASB-U2C2-24RK10
		7433503218	7433503224	7433503230	7433503236
	1.8 m	EPIC MC04C2LSASB-U2C1-24CK18	EPIC MC04C2LSASB-U2C1-24RK18	EPIC MC04C1RSASB-U2C2-24CK18	EPIC MC04C1RSASB-U2C2-24RK18
		7433503219	7433503225	7433503231	7433503237
	2.0 m	EPIC MC04C2LSASB-U2C1-24CK20	EPIC MC04C2LSASB-U2C1-24RK20	EPIC MC04C1RSASB-U2C2-24CK20	EPIC MC04C1RSASB-U2C2-24RK20
		7433503220	7433503226	7433503232	7433503238
	3.0 m	EPIC MC04C2LSASB-U2C1-24CK30	EPIC MC04C2LSASB-U2C1-24RK30	EPIC MC04C1RSASB-U2C2-24CK30	EPIC MC04C1RSASB-U2C2-24RK30
		7433503221	7433503227	7433503233	7433503239

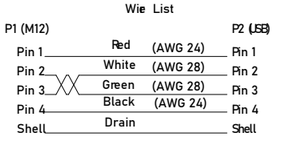
Wiring Diagram

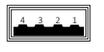


Pin Assignment
Front View
M12 male A-Coding 4Pin



Pin Assignment
Front View
M12 female A-Coding 4Pin



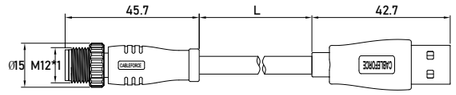


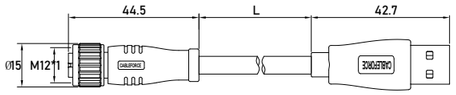
Pin Assignment
Front View
USB 2.0 A type male

Pin Assignment
Front View
USB 2.0 A type female

M12 A-Code - USB 3.0 Connecting Cable

M12 A-Code - USB 3.0 connector, molded with cable



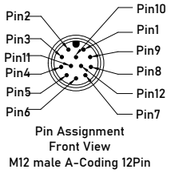


Connector Technical data			
Contacts No.	M12 A-code 12Pin Male	M12 A-code 12Pin Female	USB 3.0 Male
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	1A		
Rated voltage	30V		
Impulse voltage	500V		
Locking system	M12 x 1.0 screw		
Termination	Soldering		
Cable specification	0.25mm² (AWG 24)		
Rated temperature	–40 °C ... +75 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤10mΩ		
Over-molding	TPU		
Contact carrier	TPU+ GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP60		
Pollution degree	2		

Ordering No.

Poles	Cable length	M12 A Male- USB 3.0 Male		M12 A Female- USB 3.0 Male	
		PVC Cable	PUR Cable	PVC Cable	PUR Cable
12 Pin - 9 Pin	0.3 m	EPIC MC12C1LSASB-U3C1-24CK03	EPIC MC12C1LSASB-U3C1-24RK03	EPIC MC12C2LSASB-U3C1-24CK03	EPIC MC12C2LSASB-U3C1-24RK03
		7433503240	7433503246	7433503252	7433503258
	0.6 m	EPIC MC12C1LSASB-U3C1-24CK06	EPIC MC12C1LSASB-U3C1-24RK06	EPIC MC12C2LSASB-U3C1-24CK06	EPIC MC12C2LSASB-U3C1-24RK06
		7433503241	7433503247	7433503253	7433503259
	1.0 m	EPIC MC12C1LSASB-U3C1-24CK10	EPIC MC12C1LSASB-U3C1-24RK10	EPIC MC12C2LSASB-U3C1-24CK10	EPIC MC12C2LSASB-U3C1-24RK10
		7433503242	7433503248	7433503254	7433503260
	1.8 m	EPIC MC12C1LSASB-U3C1-24CK18	EPIC MC12C1LSASB-U3C1-24RK18	EPIC MC12C2LSASB-U3C1-24CK18	EPIC MC12C2LSASB-U3C1-24RK18
		7433503243	7433503249	7433503255	7433503261
	2.0 m	EPIC MC12C1LSASB-U3C1-24CK20	EPIC MC12C1LSASB-U3C1-24RK20	EPIC MC12C2LSASB-U3C1-24CK20	EPIC MC12C2LSASB-U3C1-24RK20
		7433503244	7433503250	7433503256	7433503262
	3.0 m	EPIC MC12C1LSASB-U3C1-24CK30	EPIC MC12C1LSASB-U3C1-24RK30	EPIC MC12C2LSASB-U3C1-24CK30	EPIC MC12C2LSASB-U3C1-24RK30
		7433503245	7433503251	7433503257	7433503263

Wiring Diagram



Pin Assignment
Front View
M12 male A-Coding 12Pin

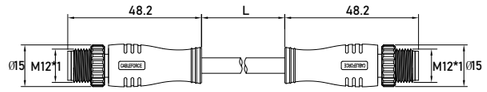
Wie List

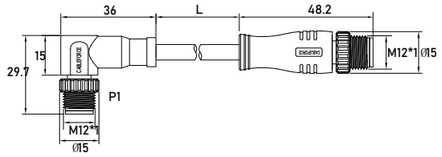
P1 (M12)			P2(USB)
Pin 1	Red	(AWG 24)	Pin 1
Pin 2	White	(AWG 28)	Pin 2
Pin 3	Green	(AWG 28)	Pin 3
Pin 4	Black	(AWG 24)	Pin 4
Pin 5	Purple	(AWG 28)	Pin 8
Pin 6	Orange	(AWG 28)	Pin 9
Pin 8	Drain		Pin 7
Pin 9	Blue	(AWG 28)	Pin 5
Pin 7	Yellow	(AWG 28)	Pin 6
Pin10	D rain		Shell
Pin11	Not Contacted		
Pin12	Not Contacted		

Pin Assignment
Front View
USB 3.0 A type male plug

M12 D-Code Profinet/ Ethernet Cables

M12 D-Code, male to male, double ended, molded Profinet cable, 360° EMI-Shielded



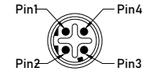


Connector Technical data		
Contacts No.	4Pin	Cable Color
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm	
Termination	Soldering	
Cable specification	0.34mm²(AWG 22), CAT 5E SFTP	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽5mΩ	
Characteristic impedance	100Ω ±15	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1 m	MC04C5LSDSB22CG10-C5E	MC04C5LSDSB22RG10-C5E	MC04C5LRSDSB22CG10-C5E	MC04C5LRSDSB22RG10-C5E
		7433503264	7433503270	7433503276	7433503282
	2 m	MC04C5LSDSB22CG20-C5E	MC04C5LSDSB22RG20-C5E	MC04C5LRSDSB22CG20-C5E	MC04C5LRSDSB22RG20-C5E
		7433503265	7433503271	7433503277	7433503283
	5 m	MC04C5LSDSB22CG50-C5E	MC04C5LSDSB22RG50-C5E	MC04C5LRSDSB22CG50-C5E	MC04C5LRSDSB22RG50-C5E
		7433503266	7433503272	7433503278	7433503284
	10 m	MC04C5LSDSB22CG100-C5E	MC04C5LSDSB22RG100-C5E	MC04C5LRSDSB22CG100-C5E	MC04C5LRSDSB22RG100-C5E
		7433503267	7433503273	7433503279	7433503285
	15 m	MC04C5LSDSB22CG150-C5E	MC04C5LSDSB22RG150-C5E	MC04C5LRSDSB22CG150-C5E	MC04C5LRSDSB22RG150-C5E
		7433503268	7433503274	7433503280	7433503286
	20 m	MC04C5LSDSB22CG200-C5E	MC04C5LSDSB22RG200-C5E	MC04C5LRSDSB22CG200-C5E	MC04C5LRSDSB22RG200-C5E
		7433503269	7433503275	7433503281	7433503287

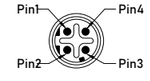
Wiring Diagram



Pin Assignment
Front View
M12 male D-Coding 4 Pin

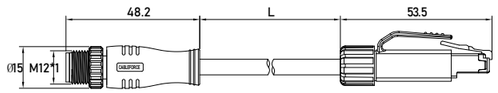
WireList

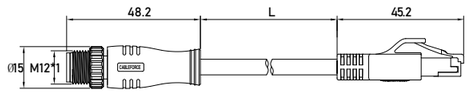
P1			P2
Pin1	Yellow	(AWG 22)	Pin1
Pin2	White	(AWG 22)	Pin2
Pin3	Orange	(AWG 22)	Pin3
Pin4	Blue	(AWG 22)	Pin4
Shell	Braid		Shell



Pin Assignment
Front View
M12 male D-Coding 4 Pin

M12 D-Code, male to RJ45 male, double ended, molded Profinet cable, 360° EMI-Shielded

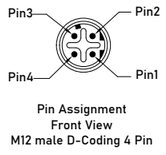




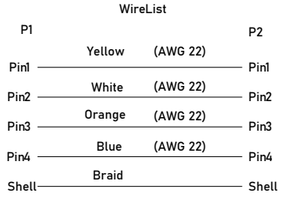
Connector Technical data				
Contacts No.	M12 Male	Cable Color (22 AWG)	Cable Color (26 AWG)	RJ45 Male
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	250V			
Impulse voltage	2500V			
Locking system	M12 x 1.0 screw			
Termination	M12: Soldering, RJ45: Piercing			
Cable specification	0.34mm² (AWG 22), 0.14mm² (AWG 26), CAT 5E SFTP			
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Characteristic impedance	100Ω ±15			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP67, IP68			
Drag chain bending	5 Million times / 500万次			
Pollution degree	3			

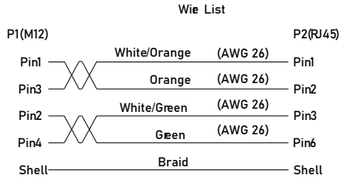
Ordering No.					
Poles	Cable length	M12 D-Code male to RJ45 Assembly Plug M12-RJ45		M12 D-Code male to RJ45 Molding Plug M12-RJ45	
		PUR (Green Cable)	PUR (Black Cable)	PUR (Green Cable)	PUR (Black Cable)
4 Pin	1 m	EPIC RJ5EA1-MC04C1LSDSB22RG10-PFNF5	EPIC RJ5EA1-MC04C1LSDSB22RK10-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RG10-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RK10-PFNF5
		7433503288	7433503294	7433503300	7433503306
	2 m	EPIC RJ5EA1-MC04C1LSDSB22RG20-PFNF5	EPIC RJ5EA1-MC04C1LSDSB22RK20-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RG20-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RK20-PFNF5
		7433503289	7433503295	7433503301	7433503307
	5 m	EPIC RJ5EA1-MC04C1LSDSB22RG50-PFNF5	EPIC RJ5EA1-MC04C1LSDSB22RK50-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RG50-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RK50-PFNF5
		7433503290	7433503296	7433503302	7433503308
	10 m	EPIC RJ5EA1-MC04C1LSDSB22RG100-PFNF5	EPIC RJ5EA1-MC04C1LSDSB22RK100-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RG100-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RK100-PFNF5
		7433503291	7433503297	7433503303	7433503309
	15 m	EPIC RJ5EA1-MC04C1LSDSB22RG150-PFNF5	EPIC RJ5EA1-MC04C1LSDSB22RK150-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RG150-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RK150-PFNF5
		7433503292	7433503298	7433503304	7433503310
	20 m	EPIC RJ5EA1-MC04C1LSDSB22RG200-PFNF5	EPIC RJ5EA1-MC04C1LSDSB22RK200-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RG200-PFNF5	EPIC RJ5EC1-MC04C1LSDSB26RK200-PFNF5
		7433503293	7433503299	7433503305	7433503311

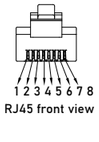
Wiring Diagram



Pin Assignment
Front View
M12 male D-Coding 4 Pin

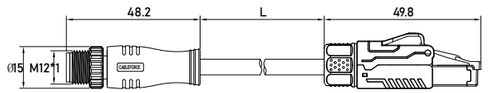


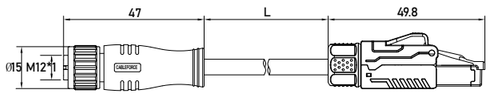




RJ45 front view

M12 D-Code to RJ45, double ended, molded Profinet cable, 360° EMI-Shielded

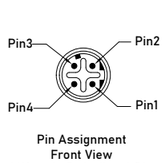




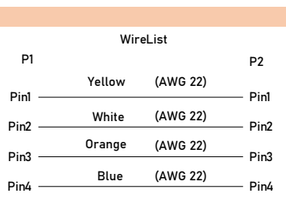
Connector Technical data				
Contacts No.	M12 A-code 4Pin Male	M12 A-code 4Pin Female	Cable Color (22 AWG)	RJ45 Male
Front View				
Reference standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	250V			
Impulse voltage	2500V			
Locking system	M12 x 1.0mm screw			
Tightening torque	Recommended: 0.4 Nm, Max : 0.8Nm			
Termination	Crimping			
Wire gauge	0.25mm² ~0.14mm² (24~26AWG)			
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contacts	Phosphor bronze			
Contacts plating	Au (Gold)			
O-Ring	FKM/ Silicon			
Protection degree	IP67, IP68, IP69K			
Pollution degree	3			
EMC Shielding	Shielded			

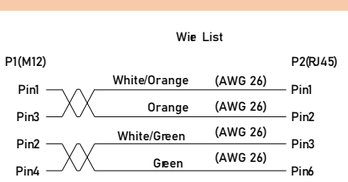
Ordering No.					
Poles	Cable length	M12 Male to RJ45 Male M12 - RJ45		M12 Female to RJ45 Male M12 - RJ45	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1.5 m	EPIC RJ6AA1LISZ-MC04C1LSDSB-26CG15	EPIC RJ6AA1LISZ-MC04C1LSDSB-26RG15	EPIC RJ6AA1LISZ-MC04C2LSDSB-26CG15	EPIC RJ6AA1LISZ-MC04C2LSDSB-26RG15
		7433503312	7433503320	7433503328	7433503336
	2.0 m	EPIC RJ6AA1LISZ-MC04C1LSDSB-26CG20	EPIC RJ6AA1LISZ-MC04C1LSDSB-26RG20	EPIC RJ6AA1LISZ-MC04C2LSDSB-26CG20	EPIC RJ6AA1LISZ-MC04C2LSDSB-26RG20
		7433503313	7433503321	7433503329	7433503337
	2.5 m	EPIC RJ6AA1LISZ-MC04C1LSDSB-26CG25	EPIC RJ6AA1LISZ-MC04C1LSDSB-26RG25	EPIC RJ6AA1LISZ-MC04C2LSDSB-26CG25	EPIC RJ6AA1LISZ-MC04C2LSDSB-26RG25
		7433503314	7433503322	7433503330	7433503338
	3.0 m	EPIC RJ6AA1LISZ-MC04C1LSDSB-26CG30	EPIC RJ6AA1LISZ-MC04C1LSDSB-26RG30	EPIC RJ6AA1LISZ-MC04C2LSDSB-26CG30	EPIC RJ6AA1LISZ-MC04C2LSDSB-26RG30
		7433503315	7433503323	7433503331	7433503339
	3.5 m	EPIC RJ6AA1LISZ-MC04C1LSDSB-26CG35	EPIC RJ6AA1LISZ-MC04C1LSDSB-26RG35	EPIC RJ6AA1LISZ-MC04C2LSDSB-26CG35	EPIC RJ6AA1LISZ-MC04C2LSDSB-26RG35
		7433503316	7433503324	7433503332	7433503340
	4.0 m	EPIC RJ6AA1LISZ-MC04C1LSDSB-26CG40	EPIC RJ6AA1LISZ-MC04C1LSDSB-26RG40	EPIC RJ6AA1LISZ-MC04C2LSDSB-26CG40	EPIC RJ6AA1LISZ-MC04C2LSDSB-26RG40
		7433503317	7433503325	7433503333	7433503341
	4.5 m	EPIC RJ6AA1LISZ-MC04C1LSDSB-26CG45	EPIC RJ6AA1LISZ-MC04C1LSDSB-26RG45	EPIC RJ6AA1LISZ-MC04C2LSDSB-26CG45	EPIC RJ6AA1LISZ-MC04C2LSDSB-26RG45
		7433503318	7433503326	7433503334	7433503342
	5.0 m	EPIC RJ6AA1LISZ-MC04C1LSDSB-26CG50	EPIC RJ6AA1LISZ-MC04C1LSDSB-26RG50	EPIC RJ6AA1LISZ-MC04C2LSDSB-26CG50	EPIC RJ6AA1LISZ-MC04C2LSDSB-26RG50
		7433503319	7433503327	7433503335	7433503343

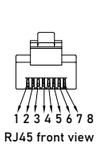
Wiring Diagram



Pin Assignment
Front View
M12 male D-Coding 4 Pin



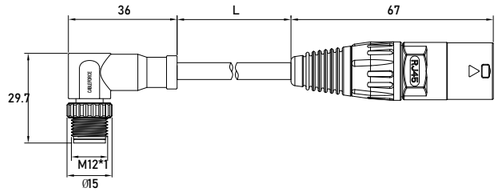




RJ45 front view

M12 D-Code Profinet/ Ethernet Cables

M12 D-Code, male to RJ45 male field assembly type plug, molded Profinet cable, 360° EMI-Shielded



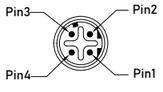
Connector Technical data				
Contacts No.	M12 Male	Cable Color (22 AWG)	Cable Color (26 AWG)	RJ45 Male
Front View				

Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Termination	M12: Soldering, RJ45: Piercing
Cable specification	0.34mm² (AWG 22), CAT 5E SFTP
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Characteristic impedance	100Ω ±15
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP67, IP68
Drag chain bending	2 Million times
Pollution degree	3

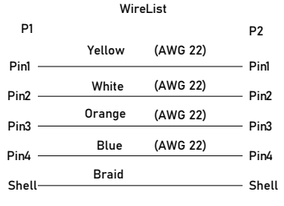
Ordering No.

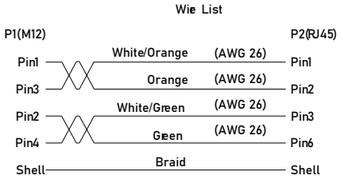
Poles	Cable length	PUR (Green Cable) 0.34mm² (AWG 22)	PUR (Black Cable) 0.34mm² (AWG 22)	PVC (Green Cable) 0.34mm² (AWG 22)
4 Pin	1 m	EPIC RJ5EA1S-MC04C1LSDSB22RG10-PFNF2 7433503344	EPIC RJ5EA1S-MC04C1LSDSB22RK10-PFNF2 7433503350	EPIC RJ5EA1S-MC04C1LSDSB22CG10-PFNF2 7433503356
	2 m	EPIC RJ5EA1S-MC04C1LSDSB22RG20-PFNF2 7433503345	EPIC RJ5EA1S-MC04C1LSDSB22RK20-PFNF2 7433503351	EPIC RJ5EA1S-MC04C1LSDSB22CG20-PFNF2 7433503357
	5 m	EPIC RJ5EA1S-MC04C1LSDSB22RG50-PFNF2 7433503346	EPIC RJ5EA1S-MC04C1LSDSB22RK50-PFNF2 7433503352	EPIC RJ5EA1S-MC04C1LSDSB22CG50-PFNF2 7433503358
	10 m	EPIC RJ5EA1S-MC04C1LSDSB22RG100-PFNF2 7433503347	EPIC RJ5EA1S-MC04C1LSDSB22RK100-PFNF2 7433503353	EPIC RJ5EA1S-MC04C1LSDSB22CG100-PFNF2 7433503359
	15 m	EPIC RJ5EA1S-MC04C1LSDSB22RG150-PFNF2 7433503348	EPIC RJ5EA1S-MC04C1LSDSB22RK150-PFNF2 7433503354	EPIC RJ5EA1S-MC04C1LSDSB22CG150-PFNF2 7433503360
	20 m	EPIC RJ5EA1S-MC04C1LSDSB22RG200-PFNF2 7433503349	EPIC RJ5EA1S-MC04C1LSDSB22RK200-PFNF2 7433503355	EPIC RJ5EA1S-MC04C1LSDSB22CG200-PFNF2 7433503361

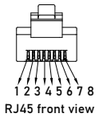
Wiring Diagram



Pin Assignment
Front View
M12 male D-Coding 4 Pin



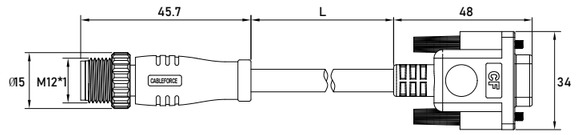


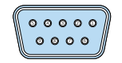


RJ45 front view

M12 - D-Sub Cable Connector

M12 A-Code 8Pin male to D-Sub 9Pin female connector molded cable



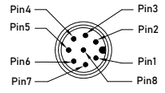
Connector Technical data		
Contacts No.	M12 A-Code 8Pin male	D-Sub 9Pin female
Front View		

Reference Standard	IEC 61076-2-101, IEC60807-3
Rated current	2A
Rated voltage	30V
Impulse voltage	800V
Locking system	2*UNC#4-40 screw
Termination	PCB Contacts
Rated temperature	– 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤ 10mΩ
Connector body	Zinc alloy
Contact carrier	PBT + GF
Screw nut	Brass nickel plated
Contact	Brass gold plated
O-ring	FKM/ NBR

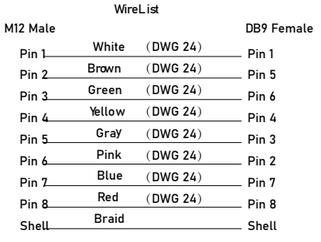
Ordering No.

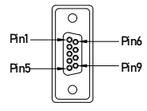
Poles	Cable length	PVC (Cable)	PUR (Cable)
9 Pin	1.0 m	EPIC MC08C1-DB09C2LS24CK10 7433503362	EPIC MC08C1-DB09C2LS24RK10 7433503367
	1.8 m	EPIC MC08C1-DB09C2LS24CK18 7433503363	EPIC MC08C1-DB09C2LS24RK18 7433503368
	2.0 m	EPIC MC08C1-DB09C2LS24CK20 7433503364	EPIC MC08C1-DB09C2LS24RK20 7433503369
	3.0 m	EPIC MC08C1-DB09C2LS24CK30 7433503365	EPIC MC08C1-DB09C2LS24RK30 7433503370
	3.5 m	EPIC MC08C1-DB09C2LS24CK35 7433503366	EPIC MC08C1-DB09C2LS24RK35 7433503371

Wiring Diagram

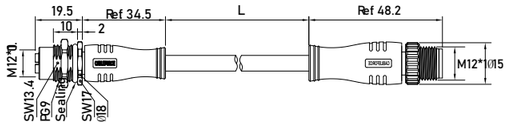


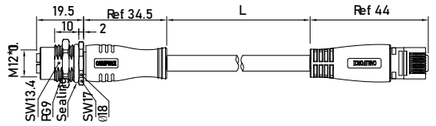
Pin Assignment
Front View
M12 male D-Coding 8 Pin





M12 X-Code Panel Mount Patch Cables, Molded Cat 6A SFTP 4x2x26AWG Ethernet Cable



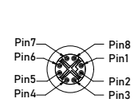


Connector Technical data					
Contacts No.	Male	Female	Cable color	RJ45Male	Female
Front View					
Reference Standard	IEC 61076-2-109				
Rated current	0.5A				
Rated voltage	50V AC, 60V DC				
Impulse voltage	800V				
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm				
Termination	Soldering				
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm²) Ethernet Cable				
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Characteristic impedance	100Ω ±15				
Over-molding	TPU				
Contact carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass / Phosphor bronze				
Contacts plating	Au (30μ" Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP65, IP67				
Pollution degree	3				

Ordering No.

Poles	Cable length	M12 X-Code double ended		M12 X-RJ45 double ended	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C1P8LSXSB26CG10	EPIC MC08C1P8LSXSB26RLB10	EPIC MC08P8LSXSB26CG10-RJ6A	EPIC MC08P8LSXSB26RLB10-RJ6A
		7433503372	7433503378	7433503384	7433503390
	2 m	EPIC MC08C1P8LSXSB26CG20	EPIC MC08C1P8LSXSB26RLB20	EPIC MC08P8LSXSB26CG20-RJ6A	EPIC MC08P8LSXSB26RLB20-RJ6A
		7433503373	7433503379	7433503385	7433503391
	3 m	EPIC MC08C1P8LSXSB26CG30	EPIC MC08C1P8LSXSB26RLB30	EPIC MC08P8LSXSB26CG30-RJ6A	EPIC MC08P8LSXSB26RLB30-RJ6A
		7433503374	7433503380	7433503386	7433503392
	5 m	EPIC MC08C1P8LSXSB26CG50	EPIC MC08C1P8LSXSB26RLB50	EPIC MC08P8LSXSB26CG50-RJ6A	EPIC MC08P8LSXSB26RLB50-RJ6A
		7433503375	7433503381	7433503387	7433503393
	10 m	EPIC MC08C1P8LSXSB26CG100	EPIC MC08C1P8LSXSB26RLB100	EPIC MC08P8LSXSB26CG100-RJ6A	EPIC MC08P8LSXSB26RLB100-RJ6A
		7433503376	7433503382	7433503388	7433503394
	15 m	EPIC MC08C1P8LSXSB26CG150	EPIC MC08C1P8LSXSB26RLB150	EPIC MC08P8LSXSB26CG150-RJ6A	EPIC MC08P8LSXSB26RLB150-RJ6A
		7433503377	7433503383	7433503389	7433503395

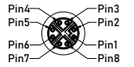
Wiring Diagram



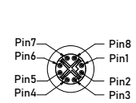
Pin Assignment
Front View
M12 female X-Coding 8PIN

Wire List

P1 (M12)			P2 (M12)
PIN 1	White /Orange	(AWG 26)	PIN 1
PIN 2	Orange	(AWG 26)	PIN 2
PIN 3	White/Green	(AWG 26)	PIN 3
PIN 4	Green	(AWG 26)	PIN 6
PIN 5	White /Brown	(AWG 26)	PIN 7
PIN 6	Brown	(AWG 26)	PIN 8
PIN 7	White /Blue	(AWG 26)	PIN 5
PIN 8	Blue	(AWG 26)	PIN 4
Shell	Braid		Shell



Pin Assignment
Front View
M12 male X-Coding 8PIN



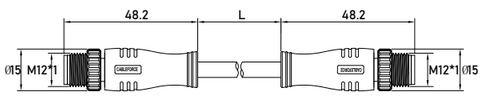
Pin Assignment
Front View
M12 female X-Coding 8PIN

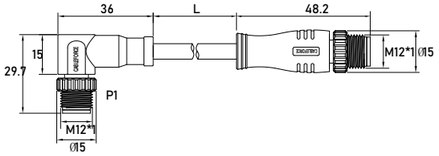
Wire List

P1 (M12)			P2 (M12)
PIN 1	White /Orange	(AWG 26)	PIN 1
PIN 2	Orange	(AWG 26)	PIN 2
PIN 3	White/Green	(AWG 26)	PIN 3
PIN 4	Green	(AWG 26)	PIN 6
PIN 5	White /Brown	(AWG 26)	PIN 7
PIN 6	Brown	(AWG 26)	PIN 8
PIN 7	White /Blue	(AWG 26)	PIN 5
PIN 8	Blue	(AWG 26)	PIN 4
Shell	Braid		Shell

Pin Assignment
Front View
RJ45 8Pin male

M12 X-Code, male to male, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



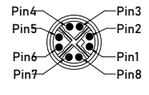


Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm
Termination	Soldering
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm²) Ethernet Cable
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Characteristic impedance	100Ω ±15
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (15μ" Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP65, IP67
Pollution degree	3

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C5LSXSB26CG10	EPIC MC08C5LSXSB26RLB10-PFNF2	EPIC MC08C5LRSXSB26CG10	EPIC MC08C5LRSXSB26RLB10-PFNF2
		7433503396	7433503402	7433503408	7433503414
	2 m	EPIC MC08C5LSXSB26CG20	EPIC MC08C5LSXSB26RLB20-PFNF2	EPIC MC08C5LRSXSB26CG20	EPIC MC08C5LRSXSB26RLB20-PFNF2
		7433503397	7433503403	7433503409	7433503415
	3 m	EPIC MC08C5LSXSB26CG30	EPIC MC08C5LSXSB26RLB30-PFNF2	EPIC MC08C5LRSXSB26CG30	EPIC MC08C5LRSXSB26RLB30-PFNF2
		7433503398	7433503404	7433503410	7433503416
	5 m	EPIC MC08C5LSXSB26CG50	EPIC MC08C5LSXSB26RLB50-PFNF2	EPIC MC08C5LRSXSB26CG50	EPIC MC08C5LRSXSB26RLB50-PFNF2
		7433503399	7433503405	7433503411	7433503417
	10 m	EPIC MC08C5LSXSB26CG100	EPIC MC08C5LSXSB26RLB100-PFNF2	EPIC MC08C5LRSXSB26CG100	EPIC MC08C5LRSXSB26RLB100-PFNF2
		7433503400	7433503406	7433503412	7433503418
	15 m	EPIC MC08C5LSXSB26CG150	EPIC MC08C5LSXSB26RLB150-PFNF2	EPIC MC08C5LRSXSB26CG150	EPIC MC08C5LRSXSB26RLB150-PFNF2
		7433503401	7433503407	7433503413	7433503419

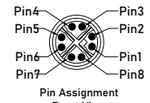
Wiring Diagram



Pin Assignment
Front View
M12 female X-Coding 8PIN

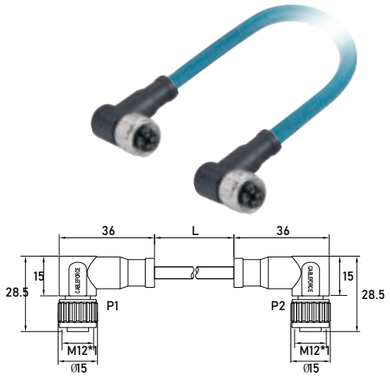
Wire List

P1 (M12)			P2 (M12)
PIN 1	White /Orange	(AWG 26)	PIN 1
PIN 2	Orange	(AWG 26)	PIN 2
PIN 3	White/Green	(AWG 26)	PIN 3
PIN 4	Green	(AWG 26)	PIN 6
PIN 5	White /Brown	(AWG 26)	PIN 7
PIN 6	Brown	(AWG 26)	PIN 8
PIN 7	White /Blue	(AWG 26)	PIN 5
PIN 8	Blue	(AWG 26)	PIN 4
Shell	Braid		Shell



Pin Assignment
Front View
M12 female X-Coding 8PIN

M12 X-Code, female to female, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded

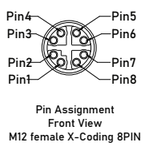


Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm
Termination	Soldering
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm) Ethernet Cable
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	⩾100MΩ
Contact resistance	≤5mΩ
Characteristic impedance	100Ω ±15
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (15μ" Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP65, IP67
Pollution degree	3

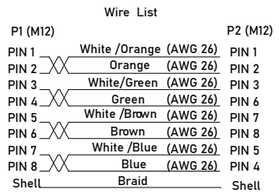
Ordering No.

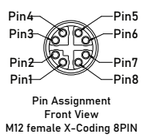
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Green Cable)	PUR (Lake blue Cable)	PVC (Green Cable)	PUR (Lake blue Cable)
8Pin	1 m	EPIC MC08C4LSXSB26CG10-C6A 7433503420	EPIC MC08C4LSXSB26RLB10-C6A 7433503426	EPIC MC08C4RSXSB26CG10-C6A 7433503432	EPIC MC08C4RSXSB26RLB10-C6A 7433503438
	2 m	EPIC MC08C4LSXSB26CG20-C6A 7433503421	EPIC MC08C4LSXSB26RLB20-C6A 7433503427	EPIC MC08C4RSXSB26CG20-C6A 7433503433	EPIC MC08C4RSXSB26RLB20-C6A 7433503439
	3 m	EPIC MC08C4LSXSB26CG30-C6A 7433503422	EPIC MC08C4LSXSB26RLB30-C6A 7433503428	EPIC MC08C4RSXSB26CG30-C6A 7433503434	EPIC MC08C4RSXSB26RLB30-C6A 7433503440
	5 m	EPIC MC08C4LSXSB26CG50-C6A 7433503423	EPIC MC08C4LSXSB26RLB50-C6A 7433503429	EPIC MC08C4RSXSB26CG50-C6A 7433503435	EPIC MC08C4RSXSB26RLB50-C6A 7433503441
	10 m	EPIC MC08C4LSXSB26CG100-C6A 7433503424	EPIC MC08C4LSXSB26RLB100-C6A 7433503430	EPIC MC08C4RSXSB26CG100-C6A 7433503436	EPIC MC08C4RSXSB26RLB100-C6A 7433503442
	15 m	EPIC MC08C4LSXSB26CG150-C6A 7433503425	EPIC MC08C4LSXSB26RLB150-C6A 7433503431	EPIC MC08C4RSXSB26CG150-C6A 7433503437	EPIC MC08C4RSXSB26RLB150-C6A 7433503443

Wiring Diagram



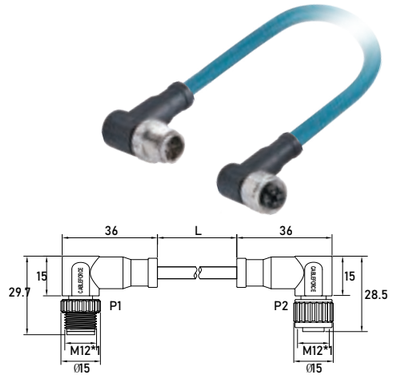
Pin Assignment
Front View
M12 female X-Coding 8PIN





Pin Assignment
Front View
M12 female X-Coding 8PIN

M12 X-Code, male to female, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded

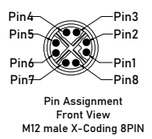


Connector Technical data		
Contacts No.	Male	Female
Front View		
Reference Standard	IEC 61076-2-109	
Rated current	0.5A	
Rated voltage	50V AC, 60V DC	
Impulse voltage	800V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend：0.4Nm, Max：0.8Nm	
Termination	Soldering	
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm ²) Ethernet Cable	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	⩾100MΩ	
Contact resistance	≤5mΩ	
Characteristic impedance	100Ω ±15	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass / Phosphor bronze	
Contacts plating	Au (15μ" Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP65, IP67	
Pollution degree	3	

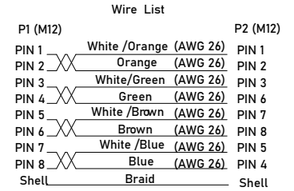
Ordering No.

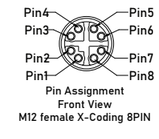
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C3LSXSB26CLB10-PFN 7433503444	EPIC MC08C3LSXSB26RLB10-PFN 7433503450	EPIC MC08C3RSXSB26CLB10-PFN 7433503456	EPIC MC08C3RSXSB26RLB10-PFN 7433503462
	2 m	EPIC MC08C3LSXSB26CLB20-PFN 7433503445	EPIC MC08C3LSXSB26RLB20-PFN 7433503451	EPIC MC08C3RSXSB26CLB20-PFN 7433503457	EPIC MC08C3RSXSB26RLB20-PFN 7433503463
	3 m	EPIC MC08C3LSXSB26CLB30-PFN 7433503446	EPIC MC08C3LSXSB26RLB30-PFN 7433503452	EPIC MC08C3RSXSB26CLB30-PFN 7433503458	EPIC MC08C3RSXSB26RLB30-PFN 7433503464
	5 m	EPIC MC08C3LSXSB26CLB50-PFN 7433503447	EPIC MC08C3LSXSB26RLB50-PFN 7433503453	EPIC MC08C3RSXSB26CLB50-PFN 7433503459	EPIC MC08C3RSXSB26RLB50-PFN 7433503465
	10 m	EPIC MC08C3LSXSB26CLB100-PFN 7433503448	EPIC MC08C3LSXSB26RLB100-PFN 7433503454	EPIC MC08C3RSXSB26CLB100-PFN 7433503460	EPIC MC08C3RSXSB26RLB100-PFN 7433503466
	15 m	EPIC MC08C3LSXSB26CLB150-PFN 7433503449	EPIC MC08C3LSXSB26RLB150-PFN 7433503455	EPIC MC08C3RSXSB26CLB150-PFN 7433503461	EPIC MC08C3RSXSB26RLB150-PFN 7433503467

Wiring Diagram



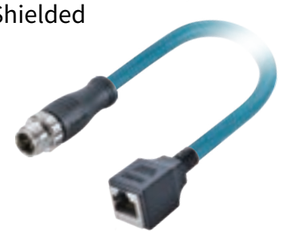
Pin Assignment
Front View
M12 male X-Coding 8PIN

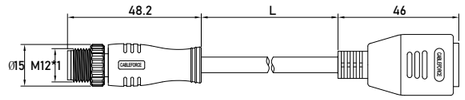


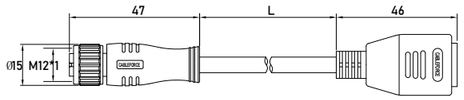


Pin Assignment
Front View
M12 female X-Coding 8PIN

M12 X-Code to RJ45 female, double ended, molded 10Gbps Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded





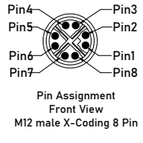


Connector Technical data				
Contacts No.	M12 Male	M12 Female	Cable Color	RJ45 Female
Front View				
Reference Standard	IEC 61076-2-109			
Rated current	0.5A			
Rated voltage	50V AC, 60V DC			
Impulse voltage	800V			
Locking system	M12 x 1.0 screw			
Termination	M12: Soldering , RJ45: Piercing			
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm²) Ethernet Cable			
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Characteristic impedance	100Ω ±15			
Over-molding	TPU			
Contact carrier	PA66 + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass			
Contacts plating	Au (15μ" Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP65, IP67			
Pollution degree	3			

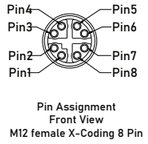
Ordering No.

Poles	Cable length	M12 X Male - RJ45 Female		M12 X Female - RJ45 Female	
		PVC (Green Cable)	PUR (Lake blue Cable)	PVC (Green Cable)	PUR (Lake blue Cable)
8 Pin	0.3 m	EPIC RJ6AC2-MC08C1LSXSB26CG03	EPIC RJ6AC2-MC08C1LSXSB26RLB10	EPIC RJ6AC2-MC08C2LSXSB26CG03	EPIC RJ6AC2-MC08C2LSXSB26RLB10
		7433503468	7433503474	7433503480	7433503486
	0.6 m	EPIC RJ6AC2-MC08C1LSXSB26CG06	EPIC RJ6AC2-MC08C1LSXSB26RLB20	EPIC RJ6AC2-MC08C2LSXSB26CG06	EPIC RJ6AC2-MC08C2LSXSB26RLB20
		7433503469	7433503475	7433503481	7433503487
	1.0 m	EPIC RJ6AC2-MC08C1LSXSB26CG10	EPIC RJ6AC2-MC08C1LSXSB26RLB50	EPIC RJ6AC2-MC08C2LSXSB26CG10	EPIC RJ6AC2-MC08C2LSXSB26RLB50
		7433503470	7433503476	7433503482	7433503488
	1.5 m	EPIC RJ6AC2-MC08C1LSXSB26CG15	EPIC RJ6AC2-MC08C1LSXSB26RLB100	EPIC RJ6AC2-MC08C2LSXSB26CG15	EPIC RJ6AC2-MC08C2LSXSB26RLB100
		7433503471	7433503477	7433503483	7433503489
	2.0 m	EPIC RJ6AC2-MC08C1LSXSB26CG20	EPIC RJ6AC2-MC08C1LSXSB26RLB150	EPIC RJ6AC2-MC08C2LSXSB26CG20	EPIC RJ6AC2-MC08C2LSXSB26RLB150
		7433503472	7433503478	7433503484	7433503490
	3.0 m	EPIC RJ6AC2-MC08C1LSXSB26CG30	EPIC RJ6AC2-MC08C1LSXSB26RLB200	EPIC RJ6AC2-MC08C2LSXSB26CG30	EPIC RJ6AC2-MC08C2LSXSB26RLB200
		7433503473	7433503479	7433503485	7433503491

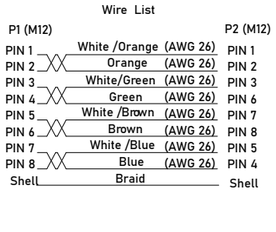
Wiring Diagram

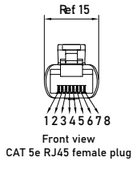


Pin Assignment
Front View
M12 male X-Coding 8 Pin



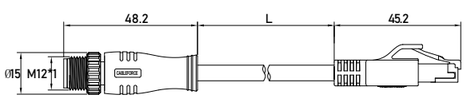
Pin Assignment
Front View
M12 female X-Coding 8 Pin

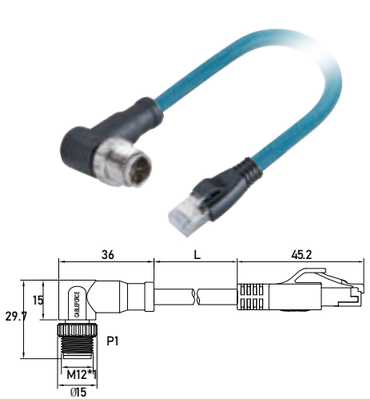




Front view
CAT 5e RJ45 female plug

M12 X-Code, male to RJ45 male, double ended, molded 10Gbps Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



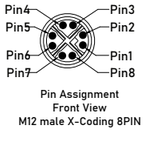


Connector Technical data			
Contacts No.	M12 Male	Cable Color	RJ45 Male
Front View			
Reference Standard	IEC 61076-2-109		
Rated current	0.5A		
Rated voltage	50V AC, 60V DC		
Impulse voltage	800V		
Locking system	M12 x 1.0 screw		
Termination	M12: Soldering , RJ45: Piercing		
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm²) Ethernet Cable		
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Characteristic impedance	100Ω ±15		
Over-molding	TPU		
Contact carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass		
Contacts plating	Au (15μ" Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP65, IP67		
Drag chain bending	2 Million times		
Pollution degree	3		

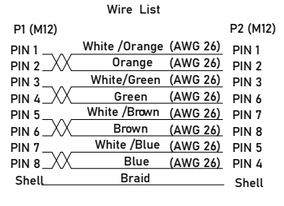
Ordering No.

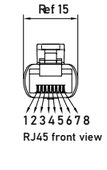
Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PUR (Green Cable)	PUR (Lake blue Cable)	PUR (Green Cable)	PUR (Lake blue Cable)
8 Pin	0.3 m	EPIC RJ6AC1-MC08C1LSXSB26RG03-PFNF2	EPIC RJ6AC1-MC08C1LSXSB26RLB03-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RG03-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RLB03-PFNF2
		7433503492	7433503498	7433503504	7433503510
	0.6 m	EPIC RJ6AC1-MC08C1LSXSB26RG06-PFNF2	EPIC RJ6AC1-MC08C1LSXSB26RLB06-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RG06-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RLB06-PFNF2
		7433503493	7433503499	7433503505	7433503511
	1.0 m	EPIC RJ6AC1-MC08C1LSXSB26RG10-PFNF2	EPIC RJ6AC1-MC08C1LSXSB26RLB10-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RG10-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RLB10-PFNF2
		7433503494	7433503500	7433503506	7433503512
	1.5 m	EPIC RJ6AC1-MC08C1LSXSB26RG15-PFNF2	EPIC RJ6AC1-MC08C1LSXSB26RLB15-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RG15-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RLB15-PFNF2
		7433503495	7433503501	7433503507	7433503513
	2.0 m	EPIC RJ6AC1-MC08C1LSXSB26RG20-PFNF2	EPIC RJ6AC1-MC08C1LSXSB26RLB20-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RG20-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RLB20-PFNF2
		7433503496	7433503502	7433503508	7433503514
	3.0 m	EPIC RJ6AC1-MC08C1LSXSB26RG30-PFNF2	EPIC RJ6AC1-MC08C1LSXSB26RLB30-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RG30-PFNF2	EPIC RJ6AC1-MC08C1LRSXSB26RLB30-PFNF2
		7433503497	7433503503	7433503509	7433503515

Wiring Diagram



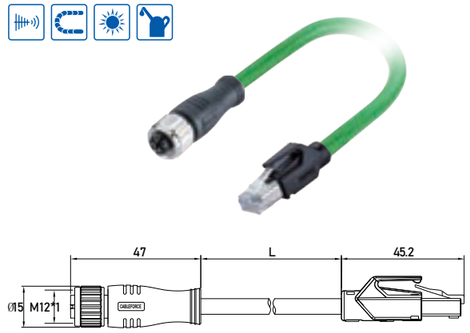
Pin Assignment
Front View
M12 male X-Coding 8PIN

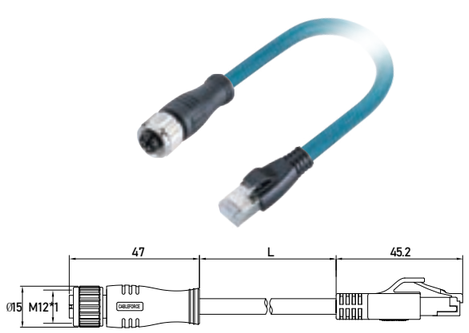




RJ45 front view

M12 X-Code, female to RJ45 male, double ended, molded 10Gbps Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



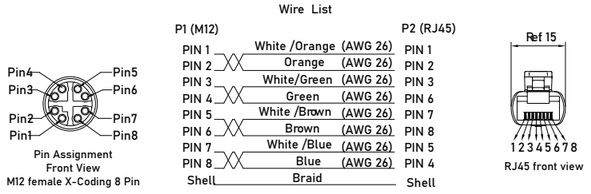


Connector Technical data			
Contacts No.	M12 Female	Cable Color	RJ45 Male
Front View			
Reference Standard	IEC 61076-2-109		
Rated current	0.5A		
Rated voltage	50V AC, 60V DC		
Impulse voltage	800V		
Locking system	M12 x 1.0 screw		
Termination	M12: Soldering , RJ45: Piercing		
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm²) Ethernet Cable		
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Characteristic impedance	100Ω ±15		
Over-molding	TPU		
Contact carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (15μ" Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP65, IP67		
Drag chain bending	2 Million times / 200万次		
Pollution degree	3		

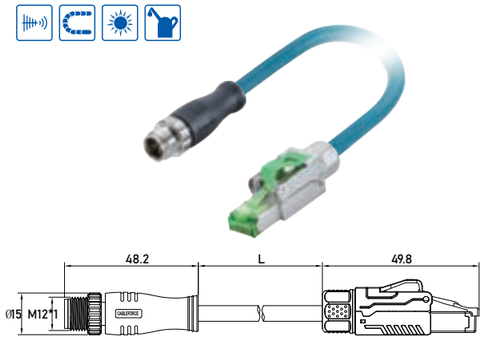
Ordering No.

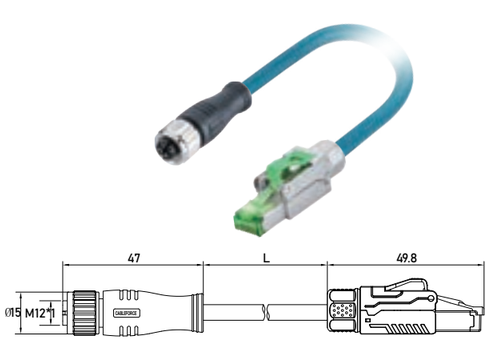
Poles	Cable length	M12 X - RJ45 Assembly Type		M12 X - RJ45 Molding Type	
		PUR (Green Cable)	PUR (Lake blue Cable)	PUR (Green Cable)	PUR (Lake blue Cable)
8 Pin	0.3 m	EPIC RJ5EA1-MC08C2LSXSB26RG03-PFNF2	EPIC RJ5EA1-MC08C2LSXSB26RLB03-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RG03-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RLB03-PFNF2
		7433503516	7433503522	7433503528	7433503534
	0.6 m	EPIC RJ5EA1-MC08C2LSXSB26RG06-PFNF2	EPIC RJ5EA1-MC08C2LSXSB26RLB06-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RG06-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RLB06-PFNF2
		7433503517	7433503523	7433503529	7433503535
	1.0 m	EPIC RJ5EA1-MC08C2LSXSB26RG10-PFNF2	EPIC RJ5EA1-MC08C2LSXSB26RLB10-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RG10-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RLB10-PFNF2
		7433503518	7433503524	7433503530	7433503536
	1.5 m	EPIC RJ5EA1-MC08C2LSXSB26RG15-PFNF2	EPIC RJ5EA1-MC08C2LSXSB26RLB15-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RG15-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RLB15-PFNF2
		7433503519	7433503525	7433503531	7433503537
	2.0 m	EPIC RJ5EA1-MC08C2LSXSB26RG20-PFNF2	EPIC RJ5EA1-MC08C2LSXSB26RLB20-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RG20-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RLB20-PFNF2
		7433503520	7433503526	7433503532	7433503538
	3.0 m	EPIC RJ5EA1-MC08C2LSXSB26RG30-PFNF2	EPIC RJ5EA1-MC08C2LSXSB26RLB30-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RG30-PFNF2	EPIC RJ6AC1-MC08C2LSXSB26RLB30-PFNF2
		7433503521	7433503527	7433503533	7433503539

Wiring Diagram



M12 X-Code, female to RJ45 male, double ended, molded 10Gbps Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



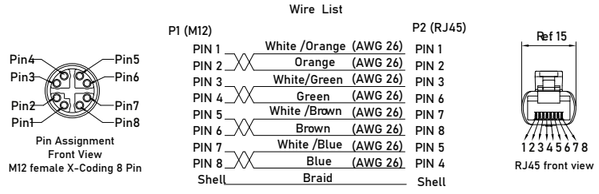


Connector Technical data				
Contacts No.	M12 Male	M12 Female	Cable Color	RJ45 Male
Front View				
Reference standard	IEC 61076-2-109			
Rated current	0.5A			
Rated voltage	50V AC, 60V DC			
Impulse voltage	800V			
Locking system	M12 x 1.0mm screw			
Tightening torque	Recommended： 0.4 Nm, Max: 0.8Nm			
Termination	Crimping			
Wire gauge	0.25mm² ~0.14mm² (24~26AWG)			
Rated termperature	Flexible: -25 ~ 80 ； Static : -40 ~ 80			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contacts	Phosphor bronze			
Contacts plating	Au (Gold)			
O-Ring	FKM/ Silicon			
Protection degree	IP67, IP68, IP69K			
Pollution degree	3			
EMC Shielding	Shielded			

Ordering No.

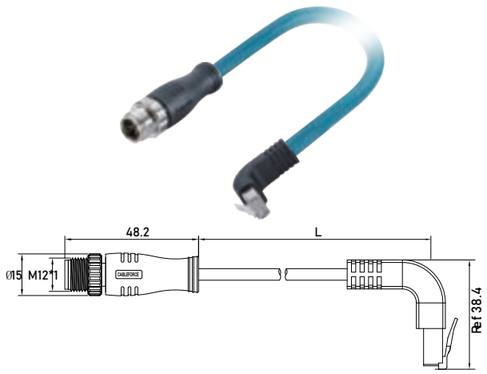
Poles	Cable length	M12 Male to RJ45 Male		M12 Female to RJ45 Male	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8 Pin	1.5 m	EPIC RJ6AA1LISZ-MC04C1LSXSB-26CG15	EPIC RJ6AA1LISZ-MC04C1LSXSB-26RG15	EPIC RJ6AA1LISZ-MC04C2LSXSB-26CG15	EPIC RJ6AA1LISZ-MC04C2LSXSB-26RG15
	2.0 m	EPIC RJ6AA1LISZ-MC04C1LSXSB-26CG20	EPIC RJ6AA1LISZ-MC04C1LSXSB-26RG20	EPIC RJ6AA1LISZ-MC04C2LSXSB-26CG20	EPIC RJ6AA1LISZ-MC04C2LSXSB-26RG20
	2.5 m	EPIC RJ6AA1LISZ-MC04C1LSXSB-26CG25	EPIC RJ6AA1LISZ-MC04C1LSXSB-26RG25	EPIC RJ6AA1LISZ-MC04C2LSXSB-26CG25	EPIC RJ6AA1LISZ-MC04C2LSXSB-26RG25
	3.0 m	EPIC RJ6AA1LISZ-MC04C1LSXSB-26CG30	EPIC RJ6AA1LISZ-MC04C1LSXSB-26RG30	EPIC RJ6AA1LISZ-MC04C2LSXSB-26CG30	EPIC RJ6AA1LISZ-MC04C2LSXSB-26RG30
	3.5 m	EPIC RJ6AA1LISZ-MC04C1LSXSB-26CG35	EPIC RJ6AA1LISZ-MC04C1LSXSB-26RG35	EPIC RJ6AA1LISZ-MC04C2LSXSB-26CG35	EPIC RJ6AA1LISZ-MC04C2LSXSB-26RG35
	4.0 m	EPIC RJ6AA1LISZ-MC04C1LSXSB-26CG40	EPIC RJ6AA1LISZ-MC04C1LSXSB-26RG40	EPIC RJ6AA1LISZ-MC04C2LSXSB-26CG40	EPIC RJ6AA1LISZ-MC04C2LSXSB-26RG40
	4.5 m	EPIC RJ6AA1LISZ-MC04C1LSXSB-26CG45	EPIC RJ6AA1LISZ-MC04C1LSXSB-26RG45	EPIC RJ6AA1LISZ-MC04C2LSXSB-26CG45	EPIC RJ6AA1LISZ-MC04C2LSXSB-26RG45
	5.0 m	EPIC RJ6AA1LISZ-MC04C1LSXSB-26CG50	EPIC RJ6AA1LISZ-MC04C1LSXSB-26RG50	EPIC RJ6AA1LISZ-MC04C2LSXSB-26CG50	EPIC RJ6AA1LISZ-MC04C2LSXSB-26RG50

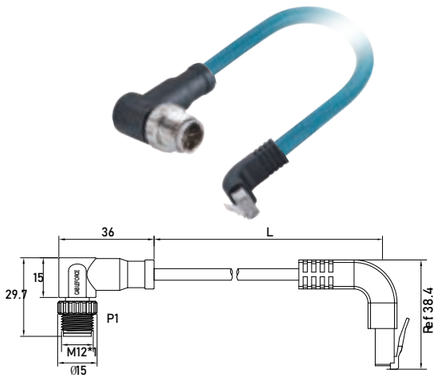
Wiring Diagram



M12-RJ45 Cable

M12 8Pin X-code male straight to RJ45 right angled male, modeled with cable



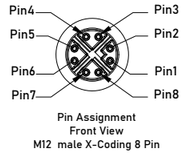


Connector Technical data			
Contacts No.	M12 Male	Cable Color	RJ45 Male
Front View			
Reference standard	IEC 61076-2-109		
Rated current	0.5A		
Rated voltage	50V AC, 60V DC		
Impulse voltage	800V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended : 0.4 Nm, Max: 0.8Nm		
Termination	Crimping		
Wire gauge	0.25mm² ~0.14mm² (24~26AWG)		
Rated termperature	Flexible: -25 ~ 80 ; Static : -40 ~ 80		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Over-molding	TPU		
Contacts carrier	TPU + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Phosphor bronze ()		
Contacts plating	Au (Gold)		
O-Ring	FKM/ Silicon		
Protection degree	IP67, IP68, IP69K		
Pollution degree	3		
EMC Shielding	Shielded		

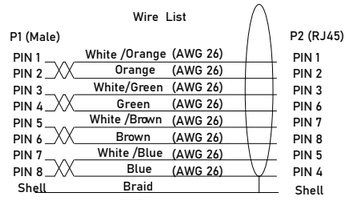
Ordering No.

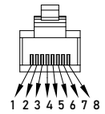
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8 Pin	1.5 m	EPIC RJ6AC1RIB-MC08C1LCXSB-26CLB15	EPIC RJ6AC1RIB-MC08C1LCXSB-26RLB15	EPIC RJ6AC1RIB-MC08C1RCXSB-26CLB15	EPIC RJ6AC1RIB-MC08C1RCXSB-26RLB15
		7433503572	7433503580	7433503588	7433503596
	2.0 m	EPIC RJ6AC1RIB-MC08C1LCXSB-26CLB20	EPIC RJ6AC1RIB-MC08C1LCXSB-26RLB20	EPIC RJ6AC1RIB-MC08C1RCXSB-26CLB20	EPIC RJ6AC1RIB-MC08C1RCXSB-26RLB20
		7433503573	7433503581	7433503589	7433503597
	2.5 m	EPIC RJ6AC1RIB-MC08C1LCXSB-26CLB25	EPIC RJ6AC1RIB-MC08C1LCXSB-26RLB25	EPIC RJ6AC1RIB-MC08C1RCXSB-26CLB25	EPIC RJ6AC1RIB-MC08C1RCXSB-26RLB25
		7433503574	7433503582	7433503590	7433503598
	3.0 m	EPIC RJ6AC1RIB-MC08C1LCXSB-26CLB30	EPIC RJ6AC1RIB-MC08C1LCXSB-26RLB30	EPIC RJ6AC1RIB-MC08C1RCXSB-26CLB30	EPIC RJ6AC1RIB-MC08C1RCXSB-26RLB30
		7433503575	7433503583	7433503591	7433503599
	3.5 m	EPIC RJ6AC1RIB-MC08C1LCXSB-26CLB35	EPIC RJ6AC1RIB-MC08C1LCXSB-26RLB35	EPIC RJ6AC1RIB-MC08C1RCXSB-26CLB35	EPIC RJ6AC1RIB-MC08C1RCXSB-26RLB35
		7433503576	7433503584	7433503592	7433503600
	4.0 m	EPIC RJ6AC1RIB-MC08C1LCXSB-26CLB40	EPIC RJ6AC1RIB-MC08C1LCXSB-26RLB40	EPIC RJ6AC1RIB-MC08C1RCXSB-26CLB40	EPIC RJ6AC1RIB-MC08C1RCXSB-26RLB40
		7433503577	7433503585	7433503593	7433503601
	4.5 m	EPIC RJ6AC1RIB-MC08C1LCXSB-26CLB45	EPIC RJ6AC1RIB-MC08C1LCXSB-26RLB45	EPIC RJ6AC1RIB-MC08C1RCXSB-26CLB45	EPIC RJ6AC1RIB-MC08C1RCXSB-26RLB45
		7433503578	7433503586	7433503594	7433503602
	5.0 m	EPIC RJ6AC1RIB-MC08C1LCXSB-26CLB50	EPIC RJ6AC1RIB-MC08C1LCXSB-26RLB50	EPIC RJ6AC1RIB-MC08C1RCXSB-26CLB50	EPIC RJ6AC1RIB-MC08C1RCXSB-26RLB50
		7433503579	7433503587	7433503595	7433503603

Wiring Diagram



Pin Assignment
Front View
M12 male X-Coding 8 Pin

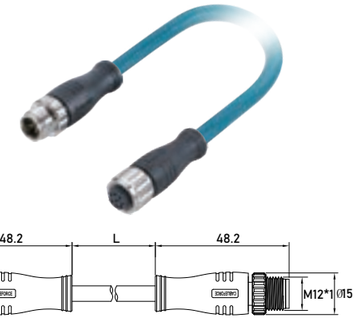


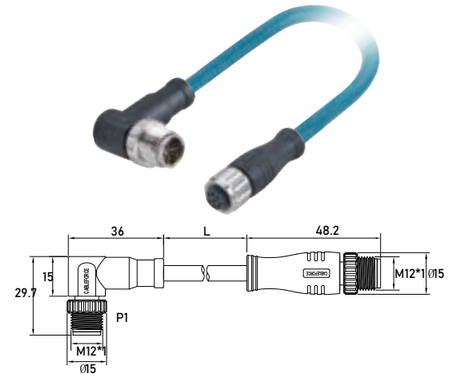


RJ45 Front View

M12 X-Code Profinet/ Ethernet Cables

M12 X-Code male to M12 A-Code female, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



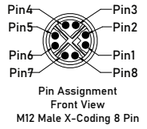


Connector Technical data		
Contacts No.	M12 X-Code 8Pin male	M12 A-Code 8Pin female
Front View		
Reference Standard	IEC 61076-2-109	
Rated current	0.5A	
Rated voltage	50V AC, 60V DC	
Impulse voltage	800V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm	
Termination	Soldering	
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm²) Ethernet Cable	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass , Phosphor bronze	
Contacts plating	Au (15µ" Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP65, IP67	
Pollution degree	3	

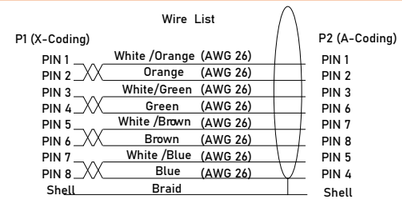
Ordering No.

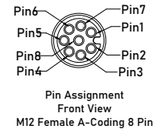
Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C3LSG15XSB14CG10-PFN	EPIC MC08C3LSG15XSB14RG10-PFN	EPIC MC08C3LRSG15XSB14CG10-PFN	EPIC MC08C3LRSG15XSB14RG10-PFN
		7433503604	7433503610	7433503616	7433503622
	2 m	EPIC MC08C3LSG15XSB14CG20-PFN	EPIC MC08C3LSG15XSB14RG20-PFN	EPIC MC08C3LRSG15XSB14CG20-PFN	EPIC MC08C3LRSG15XSB14RG20-PFN
		7433503605	7433503611	7433503617	7433503623
	3 m	EPIC MC08C3LSG15XSB14CG30-PFN	EPIC MC08C3LSG15XSB14RG30-PFN	EPIC MC08C3LRSG15XSB14CG30-PFN	EPIC MC08C3LRSG15XSB14RG30-PFN
		7433503606	7433503612	7433503618	7433503624
	5 m	EPIC MC08C3LSG15XSB14CG50-PFN	EPIC MC08C3LSG15XSB14RG50-PFN	EPIC MC08C3LRSG15XSB14CG50-PFN	EPIC MC08C3LRSG15XSB14RG50-PFN
		7433503607	7433503613	7433503619	7433503625
	10 m	EPIC MC08C3LSG15XSB14CG100-PFN	EPIC MC08C3LSG15XSB14RG100-PFN	EPIC MC08C3LRSG15XSB14CG100-PFN	EPIC MC08C3LRSG15XSB14RG100-PFN
		7433503608	7433503614	7433503620	7433503626
	15 m	EPIC MC08C3LSG15XSB14CG150-PFN	EPIC MC08C3LSG15XSB14RG150-PFN	EPIC MC08C3LRSG15XSB14CG150-PFN	EPIC MC08C3LRSG15XSB14RG150-PFN
		7433503609	7433503615	7433503621	7433503627

Wiring Diagram



Pin Assignment
Front View
M12 Male X-Coding 8 Pin

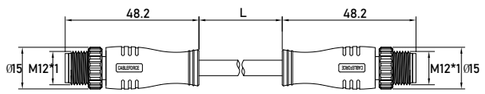


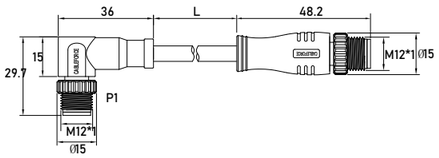


Pin Assignment
Front View
M12 Female A-Coding 8 Pin

M12 X-Code Profinet/ Ethernet Cables

M12 X-Code male to M12 A-Code male, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



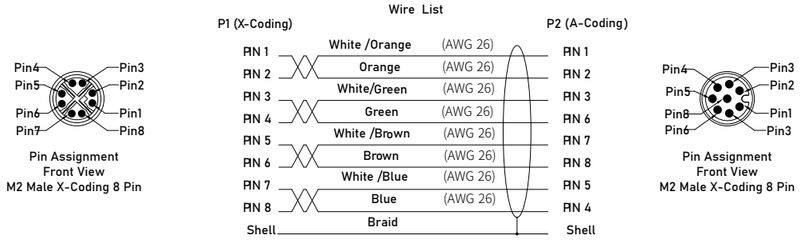


Connector Technical data		
Contacts No.	M12 X-Code 8Pin male	M12 A-Code 8Pin male
Front View		
Reference Standard	IEC 61076-2-109	
Rated current	0.5A	
Rated voltage	50V AC, 60V DC	
Impulse voltage	800V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm	
Termination	Soldering	
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm²) Ethernet Cable	
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (15μ" Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP65, IP67	
Pollution degree	3	

Ordering No.

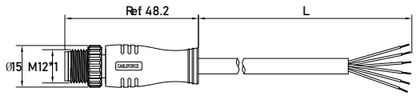
Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C5LSG15XSB14CG10-PFN	EPIC MC08C5LSG15XSB14RG10-PFN	EPIC MC08C5LRSG15XSB14CG10-PFN	EPIC MC08C5LRSG15XSB14RG10-PFN
		7433503628	7433503634	7433503640	7433503646
	2 m	EPIC MC08C5LSG15XSB14CG20-PFN	EPIC MC08C5LSG15XSB14RG20-PFN	EPIC MC08C5LRSG15XSB14CG20-PFN	EPIC MC08C5LRSG15XSB14RG20-PFN
		7433503629	7433503635	7433503641	7433503647
	3 m	EPIC MC08C5LSG15XSB14CG30-PFN	EPIC MC08C5LSG15XSB14RG30-PFN	EPIC MC08C5LRSG15XSB14CG30-PFN	EPIC MC08C5LRSG15XSB14RG30-PFN
		7433503630	7433503636	7433503642	7433503648
	5 m	EPIC MC08C5LSG15XSB14CG50-PFN	EPIC MC08C5LSG15XSB14RG50-PFN	EPIC MC08C5LRSG15XSB14CG50-PFN	EPIC MC08C5LRSG15XSB14RG50-PFN
		7433503631	7433503637	7433503643	7433503649
	10 m	EPIC MC08C5LSG15XSB14CG100-PFN	EPIC MC08C5LSG15XSB14RG100-PFN	EPIC MC08C5LRSG15XSB14CG100-PFN	EPIC MC08C5LRSG15XSB14RG100-PFN
		7433503632	7433503638	7433503644	7433503650
	15 m	EPIC MC08C5LSG15XSB14CG150-PFN	EPIC MC08C5LSG15XSB14RG150-PFN	EPIC MC08C5LRSG15XSB14CG150-PFN	EPIC MC08C5LRSG15XSB14RG150-PFN
		7433503633	7433503639	7433503645	7433503651

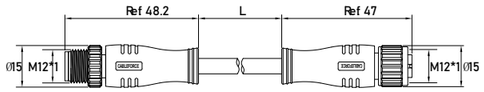
Wiring Diagram



M12 L-Code 16A Power Cable

M12 L-Code 4+PE 16A Power Cables, Molded 5x14AWG Cable





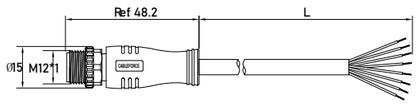
Connector Technical data		
Contacts No.	4+PE (5Pin) male	4+PE (5Pin) female
Front View		
Reference standard	IEC 61076-2-111	
Rated current	16A	
Rated voltage	63V	
Impulse voltage	1500V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended： 0.4 Nm， Max： 0.8 Nm	
Termination	Crimping	
Wire gauge	2.5mm² (14AWG)	
Rated termperature	Flexible: -25 ~ 80 ; Static : -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Female: Phosphor bronze, PE Pin: Brass	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	
EMC Shielding	Non-Shielded	

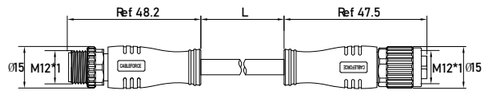
Ordering No.

Poles	Cable length	Singled ended Cable		Double Ended Cable	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4+PE (5Pin)	1 m	EPIC MC4EC1LCLB-14CK10	EPIC MC4EC1LCLB-14RK10	EPIC MC4EC3LCLB-14CK10	EPIC MC4EC3LCLB-14RK10
		7433503652	7433503657	7433503662	7433503667
	2 m	EPIC MC4EC1LCLB-14CK20	EPIC MC4EC1LCLB-14RK20	EPIC MC4EC3LCLB-14CK20	EPIC MC4EC3LCLB-14RK20
		7433503653	7433503658	7433503663	7433503668
	3 m	EPIC MC4EC1LCLB-14CK30	EPIC MC4EC1LCLB-14RK30	EPIC MC4EC3LCLB-14CK30	EPIC MC4EC3LCLB-14RK30
		7433503654	7433503659	7433503664	7433503669
	5 m	EPIC MC4EC1LCLB-14CK50	EPIC MC4EC1LCLB-14RK50	EPIC MC4EC3LCLB-14CK50	EPIC MC4EC3LCLB-14RK50
		7433503655	7433503660	7433503665	7433503670
	10 m	EPIC MC4EC1LCLB-14CK100	EPIC MC4EC1LCLB-14RK100	EPIC MC4EC3LCLB-14CK100	EPIC MC4EC3LCLB-14RK100
		7433503656	7433503661	7433503666	7433503671

M12 Y-Code 16A Power Cable

M12 Y-Code 4Pin+4Pin Signal & Power Hybrid Cables, Molded 4x20AWG + 2Px26AWG Cable





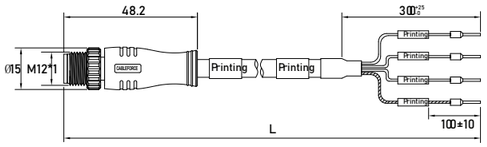
Connector Technical data		
Contacts No.	Y4 (4+4Pin) male	Y4 (4+4Pin) female
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 6A Signal : 0.5A	
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.4 Nm, Max: 0.8 Nm	
Termination	Crimping	
Wire gauge	0.14mm² (26AWG)+0.5mm² (20AWG)	
Rated termperature	Flexible: -25 ~ 80 ; Static : -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphor bronze ( )	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	
EMC Shielding	Shielded	

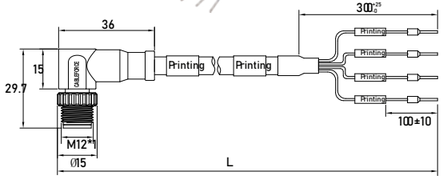
Ordering No.

Poles	Cable length	Singled ended Cable		Double Ended Cable	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
Y4 (4+4Pin)	1 m	EPIC MCH4.4C1LSLSB-20CK10	EPIC MCH4.4C1LSLSB-20RK10	EPIC MCH4.4C3LSLSB-20CK10	EPIC MCH4.4C3LSLSB-20RK10
		7433503672	7433503677	7433503682	7433503687
	2 m	EPIC MCH4.4C1LSLSB-20CK20	EPIC MCH4.4C1LSLSB-20RK20	EPIC MCH4.4C3LSLSB-20CK20	EPIC MCH4.4C3LSLSB-20RK20
		7433503673	7433503678	7433503683	7433503688
	3 m	EPIC MCH4.4C1LSLSB-20CK30	EPIC MCH4.4C1LSLSB-20RK30	EPIC MCH4.4C3LSLSB-20CK30	EPIC MCH4.4C3LSLSB-20RK30
		7433503674	7433503679	7433503684	7433503689
	5 m	EPIC MCH4.4C1LSLSB-20CK50	EPIC MCH4.4C1LSLSB-20RK50	EPIC MCH4.4C3LSLSB-20CK50	EPIC MCH4.4C3LSLSB-20RK50
		7433503675	7433503680	7433503685	7433503690
	10 m	EPIC MCH4.4C1LSLSB-20CK100	EPIC MCH4.4C1LSLSB-20RK100	EPIC MCH4.4C3LSLSB-20CK100	EPIC MCH4.4C3LSLSB-20RK100
		7433503676	7433503681	7433503686	7433503691

M12 S-Code Power Cable

M12 S-Code, male connector, molded cable, end with terminals



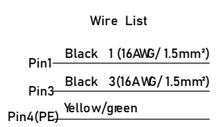


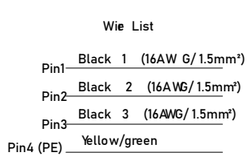
Connector Technical data		
Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm	
Termination	Crimping/	
Cable specification	1.5mm² (AWG 16)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

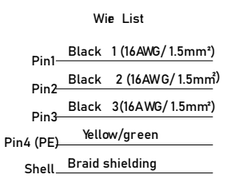
Ordering No.

Poles	Cable length	Un-Shielded				EMI-Shielded			
		180° Straight		90° Right Angled		180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MD03C1LCSB16CK10-T	EPIC MD03C1LCSB16RK10-T	EPIC MD03C1RCSB16CK10-T	EPIC MD03C1RCSB16RK10-T	EPIC MD03C1LCSSB16CK10-T	EPIC MD03C1LCSSB16RK10-T	EPIC MD03C1RCSSB16CK10-T	EPIC MD03C1RCSSB16RK10-T
		7433503692	7433503696	7433503708	7433503712	7433503724	7433503728	7433503740	7433503744
	2 m	EPIC MD03C1LCSB16CK20-T	EPIC MD03C1LCSB16RK20-T	EPIC MD03C1RCSB16CK20-T	EPIC MD03C1RCSB16RK20-T	EPIC MD03C1LCSSB16CK20-T	EPIC MD03C1LCSSB16RK20-T	EPIC MD03C1RCSSB16CK20-T	EPIC MD03C1RCSSB16RK20-T
		7433503693	7433503697	7433503709	7433503713	7433503725	7433503729	7433503741	7433503745
	3 m	EPIC MD03C1LCSB16CK30-T	EPIC MD03C1LCSB16RK30-T	EPIC MD03C1RCSB16CK30-T	EPIC MD03C1RCSB16RK30-T	EPIC MD03C1LCSSB16CK30-T	EPIC MD03C1LCSSB16RK30-T	EPIC MD03C1RCSSB16CK30-T	EPIC MD03C1RCSSB16RK30-T
		7433503694	7433503698	7433503710	7433503714	7433503726	7433503730	7433503742	7433503746
	5 m	EPIC MD03C1LCSB16CK50-T	EPIC MD03C1LCSB16RK50-T	EPIC MD03C1RCSB16CK50-T	EPIC MD03C1RCSB16RK50-T	EPIC MD03C1LCSSB16CK50-T	EPIC MD03C1LCSSB16RK50-T	EPIC MD03C1RCSSB16CK50-T	EPIC MD03C1RCSSB16RK50-T
		7433503695	7433503699	7433503711	7433503715	7433503727	7433503731	7433503743	7433503747
3+PE (4 Pin)	1 m	EPIC MD04C1LCSB16CK10-T	EPIC MD04C1LCSB16RK10-T	EPIC MD04C1RCSB16CK10-T	EPIC MD04C1RCSB16RK10-T	EPIC MD04C1LCSSB16CK10-T	EPIC MD04C1LCSSB16RK10-T	EPIC MD04C1RCSSB16CK10-T	EPIC MD04C1RCSSB16RK10-T
		7433503700	7433503704	7433503716	7433503720	7433503732	7433503736	7433503748	7433503752
	2 m	EPIC MD04C1LCSB16CK20-T	EPIC MD04C1LCSB16RK20-T	EPIC MD04C1RCSB16CK20-T	EPIC MD04C1RCSB16RK20-T	EPIC MD04C1LCSSB16CK20-T	EPIC MD04C1LCSSB16RK20-T	EPIC MD04C1RCSSB16CK20-T	EPIC MD04C1RCSSB16RK20-T
		7433503701	7433503705	7433503717	7433503721	7433503733	7433503737	7433503749	7433503753
	3 m	EPIC MD04C1LCSB16CK30-T	EPIC MD04C1LCSB16RK30-T	EPIC MD04C1RCSB16CK30-T	EPIC MD04C1RCSB16RK30-T	EPIC MD04C1LCSSB16CK30-T	EPIC MD04C1LCSSB16RK30-T	EPIC MD04C1RCSSB16CK30-T	EPIC MD04C1RCSSB16RK30-T
		7433503702	7433503706	7433503718	7433503722	7433503734	7433503738	7433503750	7433503754
	5 m	EPIC MD04C1LCSB16CK50-T	EPIC MD04C1LCSB16RK50-T	EPIC MD04C1RCSB16CK50-T	EPIC MD04C1RCSB16RK50-T	EPIC MD04C1LCSSB16CK50-T	EPIC MD04C1LCSSB16RK50-T	EPIC MD04C1RCSSB16CK50-T	EPIC MD04C1RCSSB16RK50-T
		7433503703	7433503707	7433503719	7433503723	7433503735	7433503739	7433503751	7433503755

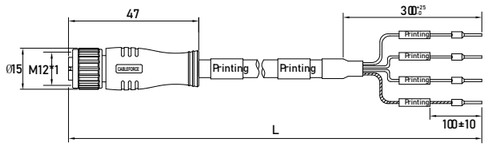
Wiring Diagram

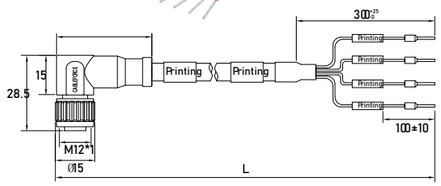






M12 S-Code, female connector, molded cable, end with terminals





Connector Technical data		
Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm	
Termination	Crimping/	
Cable specification	1.5mm² (AWG 16)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

Poles	Cable length	Un-Shielded				EMI-Shielded			
		180° Straight		90° Right Angled		180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C2LCSB16CK10-T 7433503756	EPIC MC03C2LCSB16RK10-T 7433503760	EPIC MC03C2RCSB16CK10-T 7433503772	EPIC MC03C2RCSB16RK10-T 7433503776	EPIC MC03C2LCSSB16CK10-T 7433503788	EPIC MC03C2LCSSB16RK10-T 7433503792	EPIC MC03C2RCSSB16CK10-T 7433503804	EPIC MC03C2RCSSB16RK10-T 7433503808
	2 m	EPIC MC03C2LCSB16CK20-T 7433503757	EPIC MC03C2LCSB16RK20-T 7433503761	EPIC MC03C2RCSB16CK20-T 7433503773	EPIC MC03C2RCSB16RK20-T 7433503777	EPIC MC03C2LCSSB16CK20-T 7433503789	EPIC MC03C2LCSSB16RK20-T 7433503793	EPIC MC03C2RCSSB16CK20-T 7433503805	EPIC MC03C2RCSSB16RK20-T 7433503809
	3 m	EPIC MC03C2LCSB16CK30-T 7433503758	EPIC MC03C2LCSB16RK30-T 7433503762	EPIC MC03C2RCSB16CK30-T 7433503774	EPIC MC03C2RCSB16RK30-T 7433503778	EPIC MC03C2LCSSB16CK30-T 7433503790	EPIC MC03C2LCSSB16RK30-T 7433503794	EPIC MC03C2RCSSB16CK30-T 7433503806	EPIC MC03C2RCSSB16RK30-T 7433503810
	5 m	EPIC MC03C2LCSB16CK50-T 7433503759	EPIC MC03C2LCSB16RK50-T 7433503763	EPIC MC03C2RCSB16CK50-T 7433503775	EPIC MC03C2RCSB16RK50-T 7433503779	EPIC MC03C2LCSSB16CK50-T 7433503791	EPIC MC03C2LCSSB16RK50-T 7433503795	EPIC MC03C2RCSSB16CK50-T 7433503807	EPIC MC03C2RCSSB16RK50-T 7433503811
3+PE (4 Pin)	1 m	EPIC MC04C2LCSB16CK10-T 7433503764	EPIC MC04C2LCSB16RK10-T 7433503768	EPIC MC04C2RCSB16CK10-T 7433503780	EPIC MC04C2RCSB16RK10-T 7433503784	EPIC MC04C2LCSSB16CK10-T 7433503796	EPIC MC04C2LCSSB16RK10-T 7433503800	EPIC MC04C2RCSSB16CK10-T 7433503812	EPIC MC04C2RCSSB16RK10-T 7433503816
	2 m	EPIC MC04C2LCSB16CK20-T 7433503765	EPIC MC04C2LCSB16RK20-T 7433503769	EPIC MC04C2RCSB16CK20-T 7433503781	EPIC MC04C2RCSB16RK20-T 7433503785	EPIC MC04C2LCSSB16CK20-T 7433503797	EPIC MC04C2LCSSB16RK20-T 7433503801	EPIC MC04C2RCSSB16CK20-T 7433503813	EPIC MC04C2RCSSB16RK20-T 7433503817
	3 m	EPIC MC04C2LCSB16CK30-T 7433503766	EPIC MC04C2LCSB16RK30-T 7433503770	EPIC MC04C2RCSB16CK30-T 7433503782	EPIC MC04C2RCSB16RK30-T 7433503786	EPIC MC04C2LCSSB16CK30-T 7433503798	EPIC MC04C2LCSSB16RK30-T 7433503802	EPIC MC04C2RCSSB16CK30-T 7433503814	EPIC MC04C2RCSSB16RK30-T 7433503818
	5 m	EPIC MC04C2LCSB16CK50-T 7433503767	EPIC MC04C2LCSB16RK50-T 7433503771	EPIC MC04C2RCSB16CK50-T 7433503783	EPIC MC04C2RCSB16RK50-T 7433503787	EPIC MC04C2LCSSB16CK50-T 7433503799	EPIC MC04C2LCSSB16RK50-T 7433503803	EPIC MC04C2RCSSB16CK50-T 7433503815	EPIC MC04C2RCSSB16RK50-T 7433503819

Wiring Diagram

Wire List

Pin1	Black 1 (16AWG/ 1.5mm²)
Pin3	Black 3(16AWG/ 1.5mm²)
Pin4(PE)	Yellow/green

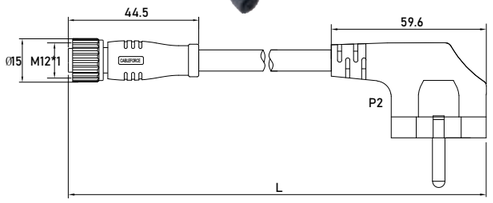
Wie List

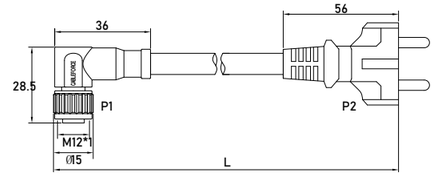
Pin1	Black 1 (16AW G/ 1.5mm²)
Pin2	Black 2 (16AWG/ 1.5mm²)
Pin3	Black 3 (16AWG/ 1.5mm²)
Pin4 (PE)	Yellow/green

Wie List

Pin1	Black 1 (16AWG/ 1.5mm²)
Pin2	Black 2 (16AWG/ 1.5mm²)
Pin3	Black 3(16AWG/ 1.5mm²)
Pin4 (PE)	Yellow/green
Shell	Braid shielding

M12 S-Code female to CEE 7/7 power plug, molded 14AWG cable



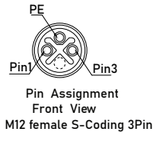


Connector Technical data	
Contacts No.	2+PE (3 Pin)
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A/ 16A
Rated voltage	630V AC
Impulse voltage	5000V
Locking system	M12 x 1.0 screw
Termination	Crimping/
Cable specification	1.5mm² (AWG 14)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	PA66+GF; Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

Poles	Cable length	M12 S Female - CEE 7/7 90° Right Angled		M12 S Female - CEE 7/7 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C2LCSP14CK10-CEE7/7R 7433503820	EPIC MC03C2LCSP14RK10-CEE7/7R 7433503824	EPIC MC03C2RCSB16CK10-CEE7/7L 7433503828	EPIC MC03C2RCSB16RK10--CEE7/7L 7433503832
	2 m	EPIC MC03C2LCSP14CK20-CEE7/7R 7433503821	EPIC MC03C2LCSP14RK20-CEE7/7R 7433503825	EPIC MC03C2RCSB16CK20-CEE7/7L 7433503829	EPIC MC03C2RCSB16RK20-CEE7/7L 7433503833
	3 m	EPIC MC03C2LCSP14CK30-CEE7/7R 7433503822	EPIC MC03C2LCSP14RK30-CEE7/7R 7433503826	EPIC MC03C2RCSB16CK30-CEE7/7L 7433503830	EPIC MC03C2RCSB16RK30-CEE7/7L 7433503834
	5 m	EPIC MC03C2LCSP14CK50-CEE7/7R 7433503823	EPIC MC03C2LCSP14RK50-CEE7/7R 7433503827	EPIC MC03C2RCSB16CK50-CEE7/7L 7433503831	EPIC MC03C2RCSB16RK50-CEE7/7L 7433503835

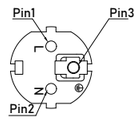
Wiring Diagram



Pin Assignment
Front View
M12 female S-Coding 3Pin

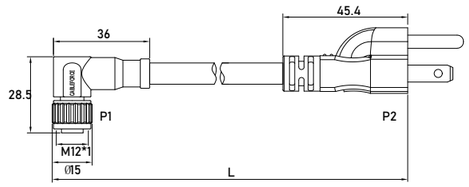
Wie List

P1 (M12)		P2 (CEE 7/7)
Pin 1	Blue	L
Pin 3	Brown	N
Pin 4/PE	Yellow/ Green	PE



M12 S-Code Power Cable

M12 S-Code female to NEMA 5-15P USA power plug, molded 14AWG cable

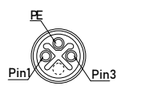


Connector Technical data	
Contacts No.	2+PE (3 Pin)
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A/ 16A
Rated voltage	630V AC
Impulse voltage	5000V
Locking system	M12 x 1.0 screw
Termination	Crimping/
Cable specification	1.5mm² (AWG 14)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

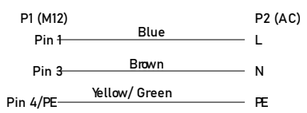
Ordering No.

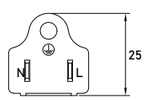
Poles	Cable length	M12 S Female - NEMA 5-15P 180° Straight	
		PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1.0 m	MC03C2RCSB14CK10-NEMA5-15P	MC03C2RCSB14RK10-NEMA5-15P
		7433503836	7433503840
	1.8 m	MC03C2RCSB14CK18-NEMA5-15P	MC03C2RCSB14RK18-NEMA5-15P
		7433503837	7433503841
	3.5 m	MC03C2RCSB14CK35-NEMA5-15P	MC03C2RCSB14RK35-NEMA5-15P
		7433503838	7433503842
	6.0 m	MC03C2RCSB14CK60-NEMA5-15P	MC03C2RCSB14RK60-NEMA5-15P
		7433503839	7433503843

Wiring Diagram



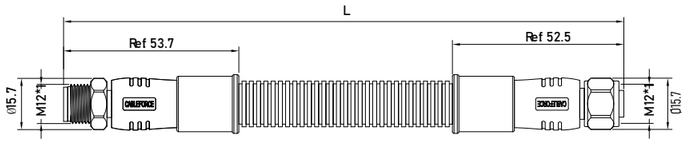
Pin Assignment
Front View
M12 male S-Coding 3Pin





M12 Armoured Connecting Cable

M12 S-code male to female, double ended, flexible conduit with steel amoured cable, 360° EMI-Shielded



Connector Technical data		
Contacts No.	3+PE (4 Pin)	
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	6300V	
Locking system	M12*1.0 screw	
Tightening torque	Recommend : 0.4Nm, Max : 0.8Nm	
Rated termperature	Flexible: -25 ~ 80 ; Static : -40 ~ 80	
Termination	Crimping	
Cable specification	1.5mm (AWG 16)	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	SUS 316# Stainless Steel	
Contacts	Brass , Phosphor bronze	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	
EMC Shielding	Un-Shielded	

Ordering No.

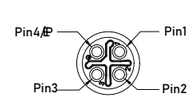
Poles	Cable length	PVC (Cable)	PUR (Cable)
3+PE (4 Pin)	0.5 m	EPIC MC04C3LCSS-16CK05-FC	EPIC MC04C3LCSS-16RK05-FC
		7433503844	7433503849
	1.0 m	EPIC MC04C3LCSS-16CK10-FC	EPIC MC04C3LCSS-16RK10-FC
		7433503845	7433503850
	1.5 m	EPIC MC04C3LCSS-16CK15-FC	EPIC MC04C3LCSS-16RK15-FC
		7433503846	7433503851
	2.0 m	EPIC MC04C3LCSS-16CK20-FC	EPIC MC04C3LCSS-16RK20-FC
		7433503847	7433503852
	3.0 m	EPIC MC04C3LCSS-16CK30-FC	EPIC MC04C3LCSS-16RK30-FC
		7433503848	7433503853

Wiring Diagram

Front view of
Pin assignment
M12 male S-Coding 4PIN

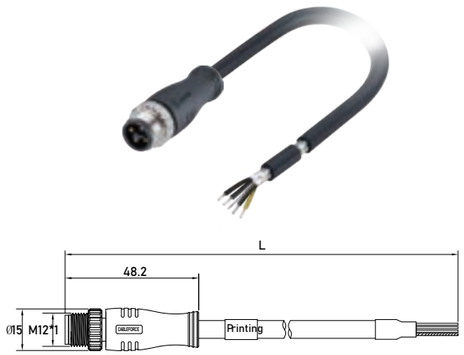
Wire List

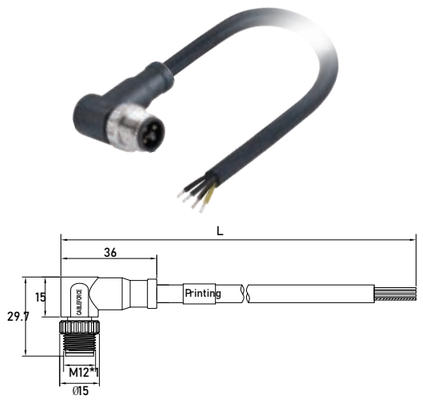
P1 (Male)		P2 (Female)
PIN 1	Brown (AWG 16)	PIN 1
PIN 2	Black (AWG 16)	PIN 2
PIN 3	Grey (AWG 16)	PIN 3
PIN 4/PE	Yellow/ Green (AWG 16)	PIN 4/PE



Pin Assignment
Front View
M12 female S-Coding 4PIN

M12 T-Code, male connector, molded cable



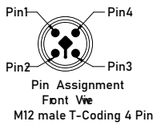


Connector Technical data	
Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm
Termination	Crimping/
Cable specification	1.5mm² (AWG 16)
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

Poles	Cable length	Un-Shielded				EMI-Shielded			
		180° Straight		90° Right Angled		180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1 m	EPIC MC04C1LCTB16CK10 7433503854	EPIC MC04C1LCTB16RK10 7433503858	EPIC MC04C1RCTB16CK10 7433503862	EPIC MC04C1RCTB16RK10 7433503866	EPIC MC04C1LCTSB16CK10 7433503870	EPIC MC04C1LCTSB16RK10 7433503874	EPIC MC04C1RCTSB16CK10 7433503878	EPIC MC04C1RCTSB16RK10 7433503882
	2 m	EPIC MC04C1LCTB16CK20 7433503855	EPIC MC04C1LCTB16RK20 7433503859	EPIC MC04C1RCTB16CK20 7433503863	EPIC MC04C1RCTB16RK20 7433503867	EPIC MC04C1LCTSB16CK20 7433503871	EPIC MC04C1LCTSB16RK20 7433503875	EPIC MC04C1RCTSB16CK20 7433503879	EPIC MC04C1RCTSB16RK20 7433503883
	3 m	EPIC MC04C1LCTB16CK30 7433503856	EPIC MC04C1LCTB16RK30 7433503860	EPIC MC04C1RCTB16CK30 7433503864	EPIC MC04C1RCTB16RK30 7433503868	EPIC MC04C1LCTSB16CK30 7433503872	EPIC MC04C1LCTSB16RK30 7433503876	EPIC MC04C1RCTSB16CK30 7433503880	EPIC MC04C1RCTSB16RK30 7433503884
	5 m	EPIC MC04C1LCTB16CK50 7433503857	EPIC MC04C1LCTB16RK50 7433503861	EPIC MC04C1RCTB16CK50 7433503865	EPIC MC04C1RCTB16RK50 7433503869	EPIC MC04C1LCTSB16CK50 7433503873	EPIC MC04C1LCTSB16RK50 7433503877	EPIC MC04C1RCTSB16CK50 7433503881	EPIC MC04C1RCTSB16RK50 7433503885

Wiring Diagram



Pin Assignment
Front View
M12 male T-Coding 4 Pin

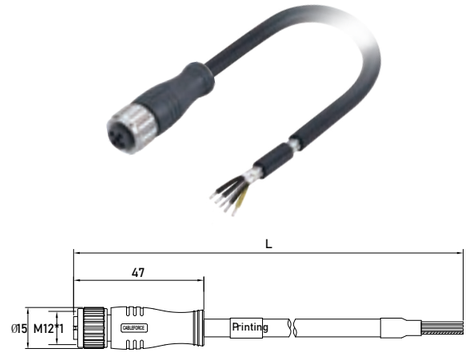
Un-Shielded屏蔽

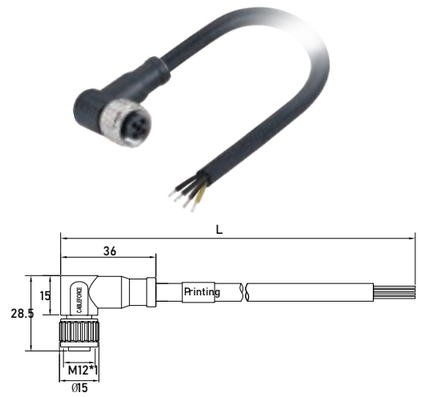
Pin1	Black黑 1 (16AWG/ 1.5mm²)
Pin2	Black黑 2 (16AWG/ 1.5mm²)
Pin3	Black黑 3 (16AWG/ 1.5mm²)
Pin4	Yellow/green 黄(注绿)

EMI-Shielded屏蔽型

Pin1	Black黑 1 (16AWG/ 1.5mm²)
Pin2	Black黑 2 (16AWG/ 1.5mm²)
Pin3	Black黑 3 (16AWG/ 1.5mm²)
Pin4	Yellow/green 黄(注绿)
Shell	Braid shielding屏蔽编织

M12 T-Code, female connector, molded cable



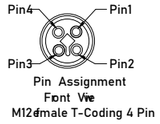


Connector Technical data	
Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm
Termination	Crimping/
Cable specification	1.5mm² (AWG 16)
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

Poles	Cable length	Un-Shielded				EMI-Shielded			
		180° Straight		90° Right Angled		180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1 m	EPIC MC04C2LCTB16CK10 7433503886	EPIC MC04C2LCTB16RK10 7433503890	EPIC MC04C2RCTB16CK10 7433503894	EPIC MC04C2RCTB16RK10 7433503898	EPIC MC04C2LCTSB16CK10 7433503902	EPIC MC04C2LCTSB16RK10 7433503906	EPIC MC04C2RCTSB16CK10 7433503910	EPIC MC04C2RCTSB16RK10 7433503914
	2 m	EPIC MC04C2LCTB16CK20 7433503887	EPIC MC04C2LCTB16RK20 7433503891	EPIC MC04C2RCTB16CK20 7433503895	EPIC MC04C2RCTB16RK20 7433503899	EPIC MC04C2LCTSB16CK20 7433503903	EPIC MC04C2LCTSB16RK20 7433503907	EPIC MC04C2RCTSB16CK20 7433503911	EPIC MC04C2RCTSB16RK20 7433503915
	3 m	EPIC MC04C2LCTB16CK30 7433503888	EPIC MC04C2LCTB16RK30 7433503892	EPIC MC04C2RCTB16CK30 7433503896	EPIC MC04C2RCTB16RK30 7433503900	EPIC MC04C2LCTSB16CK30 7433503904	EPIC MC04C2LCTSB16RK30 7433503908	EPIC MC04C2RCTSB16CK30 7433503912	EPIC MC04C2RCTSB16RK30 7433503916
	5 m	EPIC MC04C2LCTB16CK50 7433503889	EPIC MC04C2LCTB16RK50 7433503893	EPIC MC04C2RCTB16CK50 7433503897	EPIC MC04C2RCTB16RK50 7433503901	EPIC MC04C2LCTSB16CK50 7433503905	EPIC MC04C2LCTSB16RK50 7433503909	EPIC MC04C2RCTSB16CK50 7433503913	EPIC MC04C2RCTSB16RK50 7433503917

Wiring Diagram



Pin Assignment
Front View
M12 female T-Coding 4 Pin

Un-Shielded屏蔽

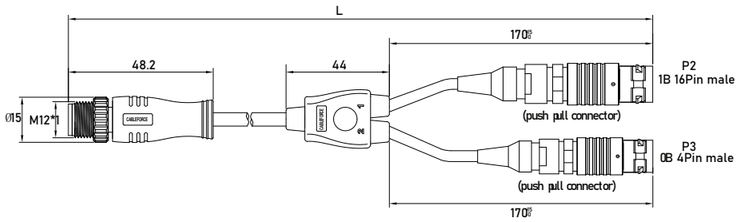
Pin1	Black黑 1 (16AWG/ 1.5mm²)
Pin2	Black黑 2 (16AWG/ 1.5mm²)
Pin3	Black黑 3 (16AWG/ 1.5mm²)
Pin4	Yellow/green 黄(注绿)

EMI-Shielded屏蔽型

Pin1	Black黑 1 (16AWG/ 1.5mm²)
Pin2	Black黑 2 (16AWG/ 1.5mm²)
Pin3	Black黑 3 (16AWG/ 1.5mm²)
Pin4	Yellow/green 黄(注绿)
Shell	Braid shielding屏蔽编织

M12 Y-Splitter Cable

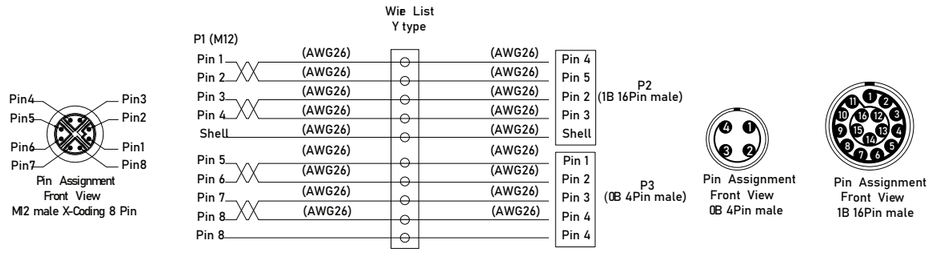
M12 X-Code male connector Y-Split to 1B 16Pin male and 0B 4Pin male push pull connector



Connector Technical data			
Contacts No.	M12 X-Code 8Pin Male	0B 4Pin male push pull	1B 16Pin male push pull
Front View			
	IEC 61076-2-109		
Rated current	0.5A		
Rated voltage	50V		
Impulse voltage	500V		
Locking system	M12 x 1.0 screw	Push pull	
Termination	Crimping	Soldering	
Cable specification	0.14mm² (AWG 26)		
Rated temperature	–40 °C ... +70 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Contact carrier	PA66 + GF, PEEK		
Screw nut	Brass, CNC, Nickel-plated		
Contact	Brass		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon		
Protection degree	IP67, IP68		
Pollution degree	3		

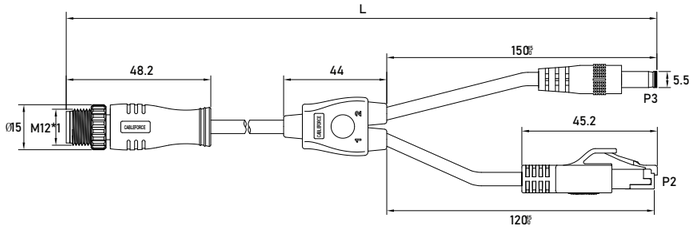
Ordering No.	
Poles	Male Connector Y-Split
8 Pin	MC08C1LCXSB26RKxx-Y-Push Pull
	7433503918

Wiring Diagram



M12 Y-Splitter Cable

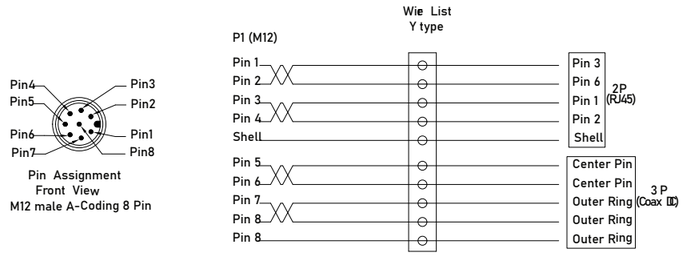
M12 A-Code male connector molded Cat 5e cable Y-Split to 5.5x2.1 DC male plug and RJ45 8P8C male plug



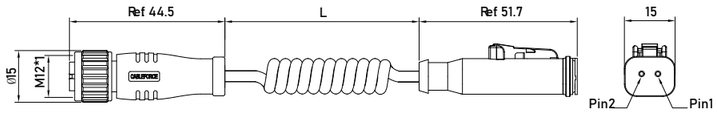
Connector Technical data			
Contacts No.	M12 A-Code 8Pin Male	RJ45 male	DC male plug
Front View			
Reference Standard	IEC 61076-2-109		
Rated current	0.5A		
Rated voltage	50V		
Impulse voltage	500V		
Locking system	M12 x 1.0 screw	Push pull	Snap-in
Termination	Crimping	Insulation Percing Contac	Soldering
Cable specification	0.14mm² (AWG 26)		
Rated temperature	–40 °C ... +70 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Contact carrier	TPU+ GF		
Screw nut	Brass, CNC, Nickel-plated		
Contact	Brass		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon		
Protection degree	IP67, IP68		
Pollution degree	3		

Ordering No.	
Poles	Male Connector Molded Cat 5e Cable Y-Split
8 Pin	MC08C1LSASB26RKxx-Y-DC-RJ45
	7433503919

Wiring Diagram



M12 A-Code, female to DT06-2S, molded cable, Un-shielded

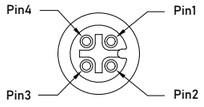


Connector Technical data	
Contacts No.	M12 A-code 4Pin Female
Front View	
Reference Standard	IEC 61076-2-101
Rated current	6A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12*1.0 screw
Tightening torque	Recommend: 0.4Nm, Max: 0.8Nm
Rated termperature	Flexible: -25 ~ 80 ; Static : -40 ~ 80
Termination	Soldering
Cable specification	0.75mm2 (AWG 18)
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Over-molding	TPU
Contacts carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM/ Silicon
Protection degree	IP67, IP68, IP69K
Pollution degree	3
EMC Shielding	Un-Shielded

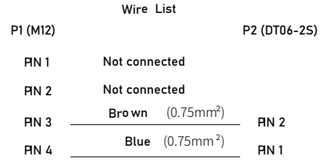
Ordering No.

Poles	Cable length	PVC (Cable)	PUR (Cable)
4 Pin	0.5 m	EPIC MC04C2LSAB-18CK05-DT06-2S	EPIC MC04C2LSAB-18RK05-DT06-2S
		7433503920	7433503925
	1.0 m	EPIC MC04C2LSAB-18CK10-DT06-2S	EPIC MC04C2LSAB-18RK10-DT06-2S
		7433503921	7433503926
	1.5 m	EPIC MC04C2LSAB-18CK15-DT06-2S	EPIC MC04C2LSAB-18RK15-DT06-2S
		7433503922	7433503927
	2.0 m	EPIC MC04C2LSAB-18CK20-DT06-2S	EPIC MC04C2LSAB-18RK20-DT06-2S
		7433503923	7433503928
	3.0 m	EPIC MC04C2LSAB-18CK30-DT06-2S	EPIC MC04C2LSAB-18RK30-DT06-2S
		7433503924	7433503929

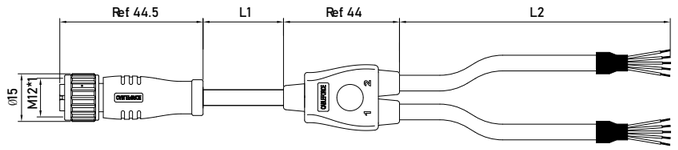
Wiring Diagram



Pin Assignment
Front View
M12 female A-Coding 4PIN



M12 A-Code, female Y-Split to 22AWG cable, Un-shielded

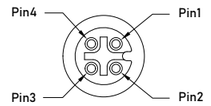


Connector Technical data	
Contacts No.	M12 A-code 4Pin Female
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12*1.0 screw
Tightening torque	Recommend: 0.4Nm, Max: 0.8Nm
Rated termperature	Flexible: -25 ~ 80 ; Static : -40 ~ 80
Termination	Soldering
Cable specification	0.34mm2 (AWG 22)
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Over-molding	TPU
Contacts carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze ( )
Contacts plating	Au (Gold)
O-Ring	FKM/ Silicon
Protection degree	IP67, IP68, IP69K
Pollution degree	3
EMC Shielding	Un-Shielded

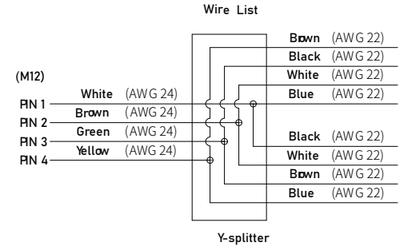
Ordering No.

L1 length	L2 length	female Y-Split
0.5 m	0.5 m	EPIC MC04C2LSAB22CK05-Y-22CK05
		7433503930
0.5 m	1.0 m	EPIC MC04C2LSAB22CK05-Y-22CK10
		7433503931
0.5 m	2.0 m	EPIC MC04C2LSAB22CK10-Y-22CK20
		7433503932
1.0 m	0.5 m	EPIC MC04C2LSAB22CK10-Y-22CK05
		7433503933
1.0 m	1.0 m	EPIC MC04C2LSAB22CK10-Y-22CK10
		7433503934
1.0 m	2.0 m	EPIC MC04C2LSAB22CK10-Y-22CK20
		7433503935

Wiring Diagram

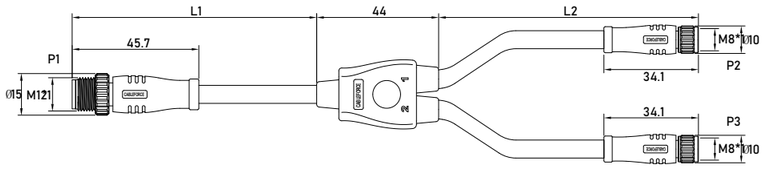


Pin Assignment
Front View
M12 female A-Coding 4PIN



Y-splitter

M12 A-Code male split to M8 female connector, molded cable

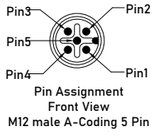


Connector Technical data		
Contacts No.	M12 5Pin Male	M8 4Pin Female
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Termination	Soldering	
Cable specification	0.34mm² (AWG 22)	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass / Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

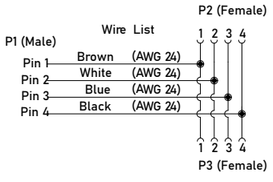
Ordering No.

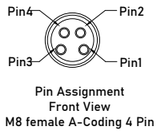
Poles	Cable length	180° Straight	
		PVC (Cable)	PUR (Cable)
5 Pin	1 m	MC05C1-22CK03-Y22CK10-MB04C2	MC05C1-22RK03-Y22RK10-MB04C2
		7433503936	7433503939
	2 m	MC05C1-22CK03-Y22CK20-MB04C2	MC05C1-22RK03-Y22RK20-MB04C2
		7433503937	7433503940
	5 m	MC05C1-22CK03-Y22CK50-MB04C2	MC05C1-22RK03-Y22RK50-MB04C2
		7433503938	7433503941

Wiring Diagram



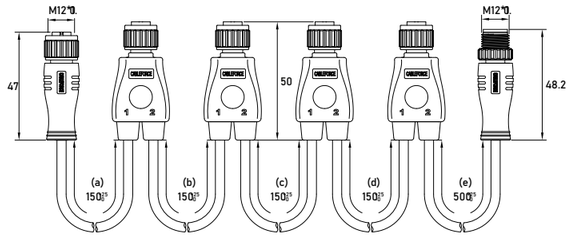
Pin Assignment
Front View
M12 male A-Coding 5 Pin





Pin Assignment
Front View
M8 female A-Coding 4 Pin

M12 Y-Splitter Cable, 1 x male split to 5 x female, CAN (DeviceNet) EMI-Shielded Cable

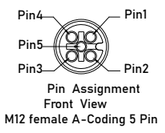


Connector Technical data		
Contacts No.	5Pin Male	5Pin Female
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm	
Termination	Soldering	
Cable specification	1Px22AWG + 1Px24AWG + Drain	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass / Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

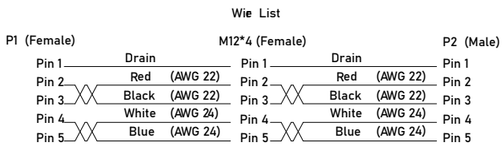
Ordering No.

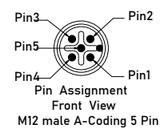
Poles	Cable length	PVC (Cable)	PUR (Cable)
5 Pin	0.3 m	EPIC MC05Y-MFFFFF-22CK03-DVN	EPIC MC05Y-MFFFFF-22RK03-DVN
		7433503942	7433504035
	0.5 m	EPIC MC05Y-MFFFFF-22CK05-DVN	EPIC MC05Y-MFFFFF-22RK05-DVN
		7433503943	7433504036
	0.6 m	EPIC MC05Y-MFFFFF-22CK06-DVN	EPIC MC05Y-MFFFFF-22RK06-DVN
		7433504034	7433504037

Wiring Diagram



Pin Assignment
Front View
M12 female A-Coding 5 Pin





Pin Assignment
Front View
M12 male A-Coding 5 Pin

M12 Circular panel connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !
www.cableforce.cn

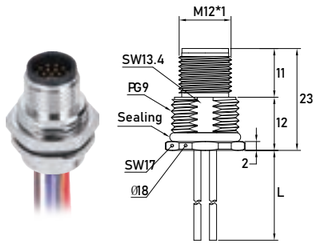
M12 series with wide product range of panel type connectors for sensor/actuator components offers comprehensive solutions for M12 devices connection. M12 panel mount connectors are available for the device connection for sensor/actuator boxes, field-bus modules and industrial controllers. These connectors can be mechanically integrated into the device design seamlessly, and are also designed for economical PCB assembly with rear mount type and front mount type. Male to female through-wall type is available.

M12
Circular panel connectors

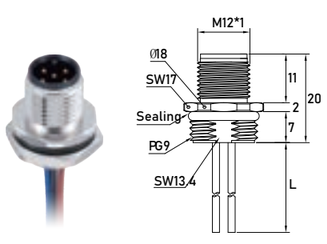
- Degree of protection IP 67
- 2P, 2+3P, 2+4P, 3P, 4P, 4+4P, 5P, 8P, 12P and 17 poles are available
- Operating voltage: 690V, 630V, 600V, 300V-DC, 250V-AC, 72V-DC, 60V-AC, 48V, 30V,
- Current rating: 16A, 12A, 8A, 4A, 2A, 1.5A
- Mounting type : rear mount (front side fastening the screw), front mount (rear side fastening the screw)
- SUS 316# Stainless steel screw is available

M12 A-Code male panel connector, front/ rear mount, with single wires

Front Fastened

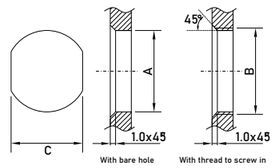


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$	N/ A	N/ A



Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A			2A		
Rated voltage	250V	60V	30V			
Impulse voltage	2500V	1500V	800V	500V		
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm					
Termination	Soldering					
Wire gauge	0.34mm² (AWG 22)		0.25mm² (AWG	0.14mm² (AWG 26)		
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

Ordering No.

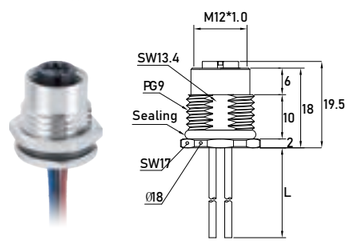
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC MC03P3LSABP9-22W02	EPIC MC03P3LSAB16-22W02	EPIC MC03P3LSAB20-22W02	EPIC MC03P3LSAB14N-22W02	EPIC MC03P3LSABP9-22W02	EPIC MC03P3LSAB16-22W02	EPIC MC03P3LSAB20-22W02	EPIC MC03P3LSAB14N-22W02
		7433505366	7433505368	7433505370	7433505372	7433505374	7433505376	7433505378	7433505380
	0.5 m	EPIC MC03P1LSABP9-22W05	EPIC MC03P1LSAB16-22W05	EPIC MC03P1LSAB20-22W05	EPIC MC03P1LSAB14N-22W05	EPIC MC03P3LSABP9-22W05	EPIC MC03P3LSAB16-22W05	EPIC MC03P3LSAB20-22W05	EPIC MC03P3LSAB14N-22W05
		7433505367	7433505369	7433505371	7433505373	7433505375	7433505377	7433505379	7433505381
4 Pin	0.2 m	EPIC MC04P1LSABP9-22W02	EPIC MC04P1LSAB16-22W02	EPIC MC04P1LSAB20-22W02	EPIC MC04P1LSAB14N-22W02	EPIC MC04P3LSABP9-22W02	EPIC MC04P3LSAB16-22W02	EPIC MC04P3LSAB20-22W02	EPIC MC04P3LSAB14N-22W02
		7433505374	7433505376	7433505378	7433505380	7433505382	7433505384	7433505386	7433505388
	0.5 m	EPIC MC04P1LSABP9-22W05	EPIC MC04P1LSAB16-22W05	EPIC MC04P1LSAB20-22W05	EPIC MC04P1LSAB14N-22W05	EPIC MC04P3LSABP9-22W05	EPIC MC04P3LSAB16-22W05	EPIC MC04P3LSAB20-22W05	EPIC MC04P3LSAB14N-22W05
		7433505375	7433505377	7433505379	7433505381	7433505383	7433505385	7433505387	7433505389
5 Pin	0.2 m	EPIC MC05P1LSABP9-22W02	EPIC MC05P1LSAB16-22W02	EPIC MC05P1LSAB20-22W02	EPIC MC05P1LSAB14N-22W02	EPIC MC05P3LSABP9-22W02	EPIC MC05P3LSAB16-22W02	EPIC MC05P3LSAB20-22W02	EPIC MC05P3LSAB14N-22W02
		7433505382	7433505384	7433505386	7433505388	7433505390	7433505392	7433505394	7433505396
	0.5 m	EPIC MC05P1LSABP9-22W05	EPIC MC05P1LSAB16-22W05	EPIC MC05P1LSAB20-22W05	EPIC MC05P1LSAB14N-22W05	EPIC MC05P3LSABP9-22W05	EPIC MC05P3LSAB16-22W05	EPIC MC05P3LSAB20-22W05	EPIC MC05P3LSAB14N-22W05
		7433505383	7433505385	7433505387	7433505389	7433505391	7433505393	7433505395	7433505397
8 Pin	0.2 m	EPIC MC08P1LSABP9-24W02	EPIC MC08P1LSAB16-24W02	EPIC MC08P1LSAB20-24W02	EPIC MC08P1LSAB14N-24W02	EPIC MC08P3LSABP9-24W02	EPIC MC08P3LSAB16-24W02	EPIC MC08P3LSAB20-24W02	EPIC MC08P3LSAB14N-24W02
		7433505390	7433505392	7433505394	7433505396	7433505398	7433505400	7433505402	7433505404
	0.5 m	EPIC MC08P1LSABP9-24W05	EPIC MC08P1LSAB16-24W05	EPIC MC08P1LSAB20-24W05	EPIC MC08P1LSAB14N-24W05	EPIC MC08P3LSABP9-24W05	EPIC MC08P3LSAB16-24W05	EPIC MC08P3LSAB20-24W05	EPIC MC08P3LSAB14N-24W05
		7433505391	7433505393	7433505395	7433505397	7433505399	7433505401	7433505403	7433505405
12 Pin	0.2 m	EPIC MC12P1LSABP9-26W02	EPIC MC12P1LSAB16-26W02	EPIC MC12P1LSAB20-26W02	EPIC MC12P1LSAB14N-26W02	EPIC MC12P3LSABP9-26W02	EPIC MC12P3LSAB16-26W02	EPIC MC12P3LSAB20-26W02	EPIC MC12P3LSAB14N-26W02
		7433505398	7433505400	7433505402	7433505404	7433505406	7433505408	7433505410	7433505412
	0.5 m	EPIC MC12P1LSABP9-26W05	EPIC MC12P1LSAB16-26W05	EPIC MC12P1LSAB20-26W05	EPIC MC12P1LSAB14N-26W05	EPIC MC12P3LSABP9-26W05	EPIC MC12P3LSAB16-26W05	EPIC MC12P3LSAB20-26W05	EPIC MC12P3LSAB14N-26W05
		7433505399	7433505401	7433505403	7433505405	7433505407	7433505409	7433505411	7433505413
17 Pin	0.2 m	EPIC MC17P1LSABP9-26W02	EPIC MC17P1LSAB16-26W02	EPIC MC17P1LSAB20-26W02	EPIC MC17P1LSAB14N-26W02	EPIC MC17P3LSABP9-26W02	EPIC MC17P3LSAB16-26W02	EPIC MC17P3LSAB20-26W02	EPIC MC17P3LSAB14N-26W02
		7433505406	7433505408	7433505410	7433505412	7433505414	7433505416	7433505418	7433505420
	0.5 m	EPIC MC17P1LSABP9-26W05	EPIC MC17P1LSAB16-26W05	EPIC MC17P1LSAB20-26W05	EPIC MC17P1LSAB14N-26W05	EPIC MC17P3LSABP9-26W05	EPIC MC17P3LSAB16-26W05	EPIC MC17P3LSAB20-26W05	EPIC MC17P3LSAB14N-26W05
		7433505407	7433505409	7433505411	7433505413	7433505415	7433505417	7433505419	7433505421

Wires' Color Coding

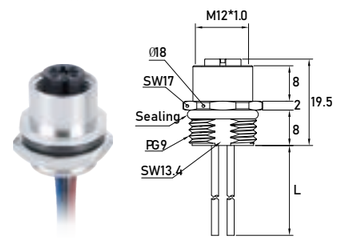
Poles & Wire Color / Pin							(17Pin)
Pin 1	BN	BN	BN	WH	WH	BN	13. WH/GN
Pin 2		WH	WH	BN	BN	BU.	14. BN/GN
Pin 3	BU	BU	BU	GN	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	YE	YE	GN .	16. YE/BN
Pin 5			GY	GY	GY	PK	17. WH/GY
Pin 6				PK	PK	YE	
Pin 7				BU	BU	BK	
Pin 8				RD	RD	GY	
Pin 9					OR	RD	
Pin 10					VT	VT	
Pin 11					BK	GY/PK	
Pin 12					LP	RD/BU	

M12 A-Code female panel connector, front/ rear mount, with single wires

Front Fastened

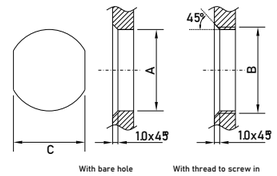


Front Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$	N/ A	N/ A



Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A			2A		
Rated voltage	250V	60V	30V			
Impulse voltage	2500V	1500V	800V	500V		
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm					
Termination	Soldering					
Wire gauge	0.34mm² (AWG 22)		0.25mm² (AWG24)	0.14mm² (AWG 26)		
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut						
Contact	Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

Ordering No.

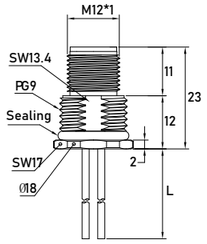
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC MC03P2LSABP9-22W02	EPIC MC03P2LSAB16-22W02	EPIC MC03P2LSAB20-22W02	EPIC MC03P2LSAB14N-22W02	EPIC MC03P4LSABP9-22W02	EPIC MC03P4LSAB16-22W02	EPIC MC03P4LSAB20-22W02	EPIC MC03P4LSAB14N-22W02
		7433505462	7433505464	7433505466	7433505468	7433505470	7433505472	7433505474	7433505476
	0.5 m	EPIC MC03P2LSABP9-22W05	EPIC MC03P2LSAB16-22W05	EPIC MC03P2LSAB20-22W05	EPIC MC03P2LSAB14N-22W05	EPIC MC03P4LSABP9-22W05	EPIC MC03P4LSAB16-22W05	EPIC MC03P4LSAB20-22W05	EPIC MC03P4LSAB14N-22W05
		7433505463	7433505465	7433505467	7433505469	7433505471	7433505473	7433505475	7433505477
4 Pin	0.2 m	EPIC MC04P2LSABP9-22W02	EPIC MC04P2LSAB16-22W02	EPIC MC04P2LSAB20-22W02	EPIC MC04P2LSAB14N-22W02	EPIC MC04P4LSABP9-22W02	EPIC MC04P4LSAB16-22W02	EPIC MC04P4LSAB20-22W02	EPIC MC04P4LSAB14N-22W02
		7433505478	7433505480	7433505482	7433505484	7433505486	7433505488	7433505490	7433505492
	0.5 m	EPIC MC04P2LSABP9-22W05	EPIC MC04P2LSAB16-22W05	EPIC MC04P2LSAB20-22W05	EPIC MC04P2LSAB14N-22W05	EPIC MC04P4LSABP9-22W05	EPIC MC04P4LSAB16-22W05	EPIC MC04P4LSAB20-22W05	EPIC MC04P4LSAB14N-22W05
		7433505479	7433505481	7433505483	7433505485	7433505487	7433505489	7433505491	7433505493
5 Pin	0.2 m	EPIC MC05P2LSABP9-22W02	EPIC MC05P2LSAB16-22W02	EPIC MC05P2LSAB20-22W02	EPIC MC05P2LSAB14N-22W02	EPIC MC05P4LSABP9-22W02	EPIC MC05P4LSAB16-22W02	EPIC MC05P4LSAB20-22W02	EPIC MC05P4LSAB14N-22W02
		7433505494	7433505496	7433505498	7433505500	7433505502	7433505504	7433505506	7433505508
	0.5 m	EPIC MC05P2LSABP9-22W05	EPIC MC05P2LSAB16-22W05	EPIC MC05P2LSAB20-22W05	EPIC MC05P2LSAB14N-22W05	EPIC MC05P4LSABP9-22W05	EPIC MC05P4LSAB16-22W05	EPIC MC05P4LSAB20-22W05	EPIC MC05P4LSAB14N-22W05
		7433505495	7433505497	7433505499	7433505501	7433505503	7433505505	7433505507	7433505509
8 Pin	0.2 m	EPIC MC08P2LSABP9-24W02	EPIC MC08P2LSAB16-24W02	EPIC MC08P2LSAB20-24W02	EPIC MC08P2LSAB14N-24W02	EPIC MC08P4LSABP9-24W02	EPIC MC08P4LSAB16-24W02	EPIC MC08P4LSAB20-24W02	EPIC MC08P4LSAB14N-24W02
		7433505510	7433505512	7433505514	7433505516	7433505518	7433505520	7433505522	7433505524
	0.5 m	EPIC MC08P2LSABP9-24W05	EPIC MC08P2LSAB16-24W05	EPIC MC08P2LSAB20-24W05	EPIC MC08P2LSAB14N-24W05	EPIC MC08P4LSABP9-24W05	EPIC MC08P4LSAB16-24W05	EPIC MC08P4LSAB20-24W05	EPIC MC08P4LSAB14N-24W05
		7433505511	7433505513	7433505515	7433505517	7433505519	7433505521	7433505523	7433505525
12 Pin	0.2 m	EPIC MC12P2LSABP9-26W02	EPIC MC12P2LSAB16-26W02	EPIC MC12P2LSAB20-26W02	EPIC MC12P2LSAB14N-26W02	EPIC MC12P4LSABP9-26W02	EPIC MC12P4LSAB16-26W02	EPIC MC12P4LSAB20-26W02	EPIC MC12P4LSAB14N-26W02
		7433505526	7433505528	7433505530	7433505532	7433505534	7433505536	7433505538	7433505540
	0.5 m	EPIC MC12P2LSABP9-26W05	EPIC MC12P2LSAB16-26W05	EPIC MC12P2LSAB20-26W05	EPIC MC12P2LSAB14N-26W05	EPIC MC12P4LSABP9-26W05	EPIC MC12P4LSAB16-26W05	EPIC MC12P4LSAB20-26W05	EPIC MC12P4LSAB14N-26W05
		7433505527	7433505529	7433505531	7433505533	7433505535	7433505537	7433505539	7433505541
17 Pin	0.2 m	EPIC MC17P2LSABP9-26W02	EPIC MC17P2LSAB16-26W02	EPIC MC17P2LSAB20-26W02	EPIC MC17P2LSAB14N-26W02	EPIC MC17P4LSABP9-26W02	EPIC MC17P4LSAB16-26W02	EPIC MC17P4LSAB20-26W02	EPIC MC17P4LSAB14N-26W02
		7433505542	7433505544	7433505546	7433505548	7433505550	7433505552	7433505554	7433505556
	0.5 m	EPIC MC17P2LSABP9-26W05	EPIC MC17P2LSAB16-26W05	EPIC MC17P2LSAB20-26W05	EPIC MC17P2LSAB14N-26W05	EPIC MC17P4LSABP9-26W05	EPIC MC17P4LSAB16-26W05	EPIC MC17P4LSAB20-26W05	EPIC MC17P4LSAB14N-26W05
		7433505543	7433505545	7433505547	7433505549	7433505551	7433505553	7433505555	7433505557

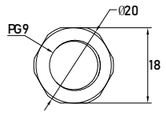
Wires' Color Coding

Poles & Wire Color / Pin							(17Pin)	
Pin 1	BN	BN	BN	WH	WH	BN	13.	WH/GN
Pin 2		WH	WH	BN	BN	BU.	14.	BN/GN
Pin 3	BU	BU	BU	GN	GN	WH	15.	WH/YE
Pin 4	BK	BK	BK	YE	YE	GN .	16.	YE/BN
Pin 5			GY	GY	GY	PK	17.	WH/GY
Pin 6				PK	PK	YE		
Pin 7				BU	BU	BK		
Pin 8				RD	RD	GY		
Pin 9					OR	RD		
Pin 10					VT	VT		
Pin 11					BK	GY/PK		
Pin 12					LP	RD/BU		

M12 A-Code male panel connector, front mount, Plastic Screw, with single wires

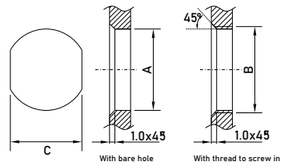
Front Fastened





Recommended Panel Cut-out

Chassis side	PG9
A	$15.3^{+0.1}_{0}$
B	PG9
C	$13.5^{+0.1}_{0}$



Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm				
Termination	Soldering				
Wire gauge	0.34mm² (AWG 22)			0.25mm² (AWG 24)	0.14mm² (AWG 26)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.

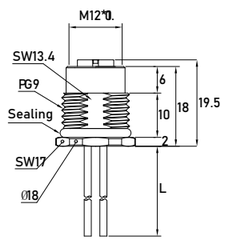
Poles	Wire length	Panel Front Side Fastening	
3 Pin	0.2 m	EPIC MC03P1LSAPP9-22W02	7433505558
	0.5 m	EPIC MC03P1LSAPP9-22W05	7433505559
4 Pin	0.2 m	EPIC MC04P1LSAPP9-22W02	7433505560
	0.5 m	EPIC MC04P1LSAPP9-22W05	7433505561
5 Pin	0.2 m	EPIC MC05P1LSAPP9-22W02	7433505562
	0.5 m	EPIC MC05P1LSAPP9-22W05	7433505563
8 Pin	0.2 m	EPIC MC08P1LSAPP9-24W02	7433505564
	0.5 m	EPIC MC08P1LSAPP9-24W05	7433505565
12 Pin	0.2 m	EPIC MC12P1LSAPP9-26W02	7433505566
	0.5 m	EPIC MC12P1LSAPP9-26W05	7433505567

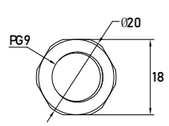
Wires' Color Coding

Poles & Wire Color / Pin					
Pin 1	BN	BN	BN	WH	WH
Pin 2		WH	WH	BN	BN
Pin 3	BU	BU	BU	GN	GN
Pin 4	BK	BK	BK	YE	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7				BU	BU
Pin 8				RD	RD
Pin 9					OR
Pin 10					VT
Pin 11					BK
Pin 12					LP

M12 A-Code female panel connector, front mount, Plastic Screw, with single wires

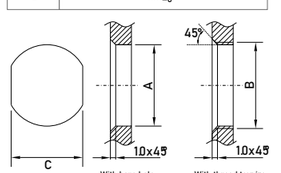
Front Fastened





Recommended Panel Cut-out

Chassis side	PG9
A	$15.3^{+0.1}_{0}$
B	PG9
C	$13.5^{+0.1}_{0}$



Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm				
Termination	Soldering				
Wire gauge	0.34mm² (AWG 22)			0.25mm² (AWG 24)	0.14mm² (AWG 26)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon				
Protection degree	IP67, IP68				
Pollution degree	3				

Ordering No.

Poles	Wire length	Panel Front Side Fastening	
3 Pin	0.2 m	EPIC MC03P2LSAPP9-22W02	7433505568
	0.5 m	EPIC MC03P2LSAPP9-22W05	7433505569
4 Pin	0.2 m	EPIC MC04P2LSAPP9-22W02	7433505570
	0.5 m	EPIC MC04P2LSAPP9-22W05	7433505571
5 Pin	0.2 m	EPIC MC05P2LSAPP9-22W02	7433505572
	0.5 m	EPIC MC05P2LSAPP9-22W05	7433505573
8 Pin	0.2 m	EPIC MC08P2LSAPP9-24W02	7433505574
	0.5 m	EPIC MC08P2LSAPP9-24W05	7433505575
12 Pin	0.2 m	EPIC MC12P2LSAPP9-26W02	7433505576
	0.5 m	EPIC MC12P2LSAPP9-26W05	7433505577

Wires' Color Coding

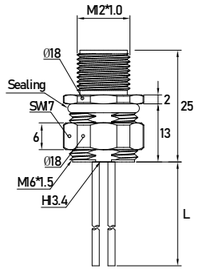
Poles & Wire Color / Pin					
Pin 1	BN	BN	BN	WH	WH
Pin 2		WH	WH	BN	BN
Pin 3	BU	BU	BU	GN	GN
Pin 4	BK	BK	BK	YE	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7				BU	BU
Pin 8				RD	RD
Pin 9					OR
Pin 10					VT
Pin 11					BK
Pin 12					LP

M12 Panel Thickness Adjustable

LAPP

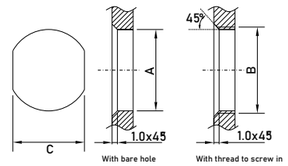
M12 male panel mount connector, positioning adjustable, rear side fastening with single wires

Front Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



Connector Technical data

Contacts No.	3Pin	4Pin	4Pin D-Code	5Pin	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V			60V	30V	30V	
Impulse voltage	2500V			1500V	800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm						
Termination	Soldering						
Wire gauge	0.34mm² (AWG 22)				0.25mm² (AWG24)	0.14mm² (AWG 26)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Contact carrier	PA66 + GF						
Screw nut	Brass, CNC, Nickel-plated						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	FKM/ Silicon						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

Poles	Wire length	Panel Rear Side Fastening			
		PG9		M16x1.5	
3 Pin	0.2 m	EPIC MC03P3XLSABP9-22W02	7433505578	EPIC MC03P3XLSAB16-22W02	7433505580
	0.5 m	EPIC MC03P3XLSABP9-22W05	7433505579	EPIC MC03P3XLSAB16-22W05	7433505581
4 Pin	0.2 m	EPIC MC04P3XLSABP9-22W02	7433505582	EPIC MC04P3XLSAB16-22W02	7433505584
	0.5 m	EPIC MC04P3XLSABP9-22W05	7433505583	EPIC MC04P3XLSAB16-22W05	7433505585
4Pin D-Code	0.2 m	EPIC MC04P3XLSDBP9-22W02	7433505586	EPIC MC04P3XLSDB16-22W02	7433505588
	0.5 m	EPIC MC04P3XLSDBP9-22W05	7433505587	EPIC MC04P3XLSDB16-22W05	7433505589
5 Pin	0.2 m	EPIC MC05P3XLSABP9-22W02	7433505590	EPIC MC05P3XLSAB16-22W02	7433505592
	0.5 m	EPIC MC05P3XLSABP9-22W05	7433505591	EPIC MC05P3XLSAB16-22W05	7433505593
8 Pin	0.2 m	EPIC MC08P3XLSABP9-24W02	7433505594	EPIC MC08P3XLSAB16-24W02	7433505596
	0.5 m	EPIC MC08P3XLSABP9-24W05	7433505595	EPIC MC08P3XLSAB16-24W05	7433505597
12 Pin	0.2 m	EPIC MC12P3XLSABP9-26W02	7433505598	EPIC MC12P3XLSAB16-26W02	7433505600
	0.5 m	EPIC MC12P3XLSABP9-26W05	7433505599	EPIC MC12P3XLSAB16-26W05	7433505601
17 Pin	0.2 m	EPIC MC17P3XLSABP9-26W02	7433505602	EPIC MC12P3XLSAB16-26W02	7433505604
	0.5 m	EPIC MC17P3XLSABP9-26W05	7433505603	EPIC MC12P3XLSAB16-26W05	7433505605

Wires' Color Coding

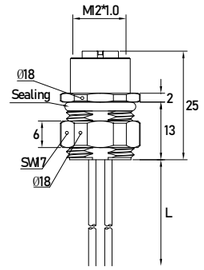
Poles & Wire Color / Pin					(12Pin)	(17Pin)	
Pin 1	BN	BN	BN	WH	WH	11. BK	BN 11.GY/PK
Pin 2		WH	WH	BN	BN	12. LP	WH 12.RD/BU
Pin 3	BU	BU	BU	GN	GN		YE 13.WH/BU
Pin 4	BK	BK	BK	YE	YE		GN 14.BN/GN
Pin 5			GY	GY	GY		PK 15.WH/YE
Pin 6				PK	PK		GY 16.YE/BN
Pin 7				BU	BU		BK 17.WH/GY
Pin 8				RD	RD		VT
Pin 9					OR		RD
Pin 10					VT		BU

M12 Panel Thickness Adjustable

LAPP

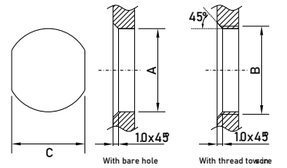
M12 female panel mount connector, positioning adjustable, rear side fastening with single wires

Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



Connector Technical data

Contacts No.	3Pin	4Pin	4Pin D-Code	5Pin	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V			60V	30V	30V	
Impulse voltage	2500V			1500V	800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm						
Termination	Soldering						
Wire gauge	0.34mm² (AWG 22)				0.25mm² (AWG2	0.14mm² (AWG 26)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Contact carrier	PA66 + GF						
Screw nut	Brass, CNC, Nickel-plated						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM/ Silicon						
Protection degree	IP67, IP68						
Pollution degree	3						

Ordering No.

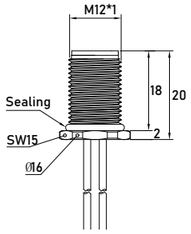
Poles	Wire length	Panel Rear Side Fastening			
		PG9		M16x1.5	
3 Pin	0.2 m	EPIC MC03P4XLSABP9-22W02	7433505606	EPIC MC03P4XLSAB16-22W02	7433505608
	0.5 m	EPIC MC03P4XLSABP9-22W05	7433505607	EPIC MC03P4XLSAB16-22W05	7433505609
4 Pin	0.2 m	EPIC MC04P4XLSABP9-22W02	7433505610	EPIC MC04P4XLSAB16-22W02	7433505612
	0.5 m	EPIC MC04P4XLSABP9-22W05	7433505611	EPIC MC04P4XLSAB16-22W05	7433505613
4Pin D-Code	0.2 m	EPIC MC04P4XLSDBP9-22W02	7433505614	EPIC MC04P4XLSDB16-22W02	7433505616
	0.5 m	EPIC MC04P4XLSDBP9-22W05	7433505615	EPIC MC04P4XLSDB16-22W05	7433505617
5 Pin	0.2 m	EPIC MC05P4XLSABP9-22W02	7433505618	EPIC MC05P4XLSAB16-22W02	7433505620
	0.5 m	EPIC MC05P4XLSABP9-22W05	7433505619	EPIC MC05P4XLSAB16-22W05	7433505621
8 Pin	0.2 m	EPIC MC08P4XLSABP9-24W02	7433505622	EPIC MC08P4XLSAB16-24W02	7433505624
	0.5 m	EPIC MC08P4XLSABP9-24W05	7433505623	EPIC MC08P4XLSAB16-24W05	7433505625
12 Pin	0.2 m	EPIC MC12P4XLSABP9-26W02	7433505626	EPIC MC12P4XLSAB16-26W02	7433505628
	0.5 m	EPIC MC12P4XLSABP9-26W05	7433505627	EPIC MC12P4XLSAB16-26W05	7433505629
17 Pin	0.2 m	EPIC MC17P4XLSABP9-26W02	7433505630	EPIC MC17P4XLSAB16-26W02	7433505632
	0.5 m	EPIC MC17P4XLSABP9-26W05	7433505631	EPIC MC17P4XLSAB16-26W05	7433505633

Wires' Color Coding

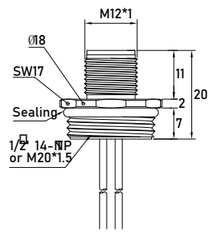
Poles & Wire Color / Pin					(12Pin)	(17Pin)	
Pin 1	BN	BN	BN	WH	WH	11. BK	BN 11.GY/PK
Pin 2		WH	WH	BN	BN	12. LP	WH 12.RD/BU
Pin 3	BU	BU	BU	GN	GN		YE 13.WH/BU
Pin 4	BK	BK	BK	YE	YE		GN 14.BN/GN
Pin 5			GY	GY	GY		PK 15.WH/YE
Pin 6				PK	PK		GY 16.YE/BN
Pin 7				BU	BU		BK 17.WH/GY
Pin 8				RD	RD		VT
Pin 9					OR		RD
Pin 10					VT		BU

M12 A-Code male panel connector, M12, M20 chassis-side thread, front/ rear mount, with single wires

Front Fastened

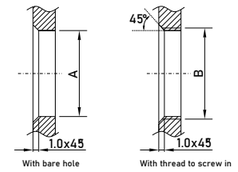


Rear Fastened



Recommended Panel Cut-out

Chassis side	M12	M20	1/2" 14NPT
A	$12.2^{+0.1}_{0}$	$20^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	M12x1.0	M20x1.5	1/2" 14NPT



Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A		2A	1.5A		
Rated voltage	250V	60V	30V			
Impulse voltage	2500V	1500V	800V	500V		
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm					
Termination	Soldering					
Wire gauge	0.34mm² (AWG 22)		0.25mm² (AWG24)	0.14mm² (AWG 26)		
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

Ordering No.

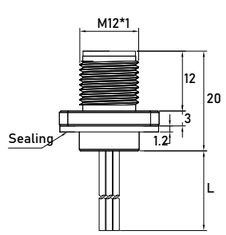
Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening		
		M12x1.0	M20x1.5	1/2"-14NPT	M12x1.0	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC MC03P1LSAB12-22W02	EPIC MC03P1LSAB20-22W02	EPIC MC03P1LSAB14N-22W02	EPIC MC03P3LSAB12-22W02	EPIC MC03P3LSAB20-22W02	EPIC MC03P3LSAB14N-22W02
		7433505634	7433505636	7433505638	7433505640	7433505642	7433505644
	0.5 m	EPIC MC03P1LSAB12-22W05	EPIC MC03P1LSAB20-22W05	EPIC MC03P1LSAB14N-22W05	EPIC MC03P3LSAB12-22W05	EPIC MC03P3LSAB20-22W05	EPIC MC03P3LSAB14N-22W05
		7433505635	7433505637	7433505639	7433505641	7433505643	7433505645
4 Pin	0.2 m	EPIC MC04P1LSAB12-22W02	EPIC MC04P1LSAB20-22W02	EPIC MC04P1LSAB14N-22W02	EPIC MC04P3LSAB12-22W02	EPIC MC04P3LSAB20-22W02	EPIC MC04P3LSAB14N-22W02
		7433505646	7433505648	7433505650	7433505652	7433505654	7433505656
	0.5 m	EPIC MC04P1LSAB12-22W05	EPIC MC04P1LSAB20-22W05	EPIC MC04P1LSAB14N-22W05	EPIC MC04P3LSAB12-22W05	EPIC MC04P3LSAB20-22W05	EPIC MC04P3LSAB14N-22W05
		7433505647	7433505649	7433505651	7433505653	7433505655	7433505657
5 Pin	0.2 m	EPIC MC05P1LSAB12-22W02	EPIC MC05P1LSAB20-22W02	EPIC MC05P1LSAB14N-22W02	EPIC MC05P3LSAB12-22W02	EPIC MC05P3LSAB20-22W02	EPIC MC05P3LSAB14N-22W02
		7433505658	7433505660	7433505662	7433505664	7433505666	7433505668
	0.5 m	EPIC MC05P1LSAB12-22W05	EPIC MC05P1LSAB20-22W05	EPIC MC05P1LSAB14N-22W05	EPIC MC05P3LSAB12-22W05	EPIC MC05P3LSAB20-22W05	EPIC MC05P3LSAB14N-22W05
		7433505659	7433505661	7433505663	7433505665	7433505667	7433505669
8 Pin	0.2 m	EPIC MC08P1LSAB12-24W02	EPIC MC08P1LSAB20-24W02	EPIC MC08P1LSAB14N-24W02	EPIC MC08P3LSAB12-24W02	EPIC MC08P3LSAB20-24W02	EPIC MC08P3LSAB14N-24W02
		7433505670	7433505672	7433505674	7433505676	7433505678	7433505680
	0.5 m	EPIC MC08P1LSAB12-24W05	EPIC MC08P1LSAB20-24W05	EPIC MC08P1LSAB14N-24W05	EPIC MC08P3LSAB12-24W05	EPIC MC08P3LSAB20-24W05	EPIC MC08P3LSAB14N-24W05
		7433505671	7433505673	7433505675	7433505677	7433505679	7433505681
12 Pin	0.2 m	EPIC MC12P1LSAB12-26W02	EPIC MC12P1LSAB20-26W02	EPIC MC12P1LSAB14N-26W02	EPIC MC12P3LSAB12-26W02	EPIC MC12P3LSAB20-26W02	EPIC MC12P3LSAB14N-26W02
		7433505682	7433505684	7433505686	7433505688	7433505690	7433505692
	0.5 m	EPIC MC12P1LSAB12-26W05	EPIC MC12P1LSAB20-26W05	EPIC MC12P1LSAB14N-26W05	EPIC MC12P3LSAB12-26W05	EPIC MC12P3LSAB20-26W05	EPIC MC12P3LSAB14N-26W05
		7433505683	7433505685	7433505687	7433505689	7433505691	7433505693
17 Pin	0.2 m	EPIC MC17P1LSAB12-26W02	EPIC MC17P1LSAB20-26W02	EPIC MC17P1LSAB14N-26W02	EPIC MC17P3LSAB12-26W02	EPIC MC17P3LSAB20-26W02	EPIC MC17P3LSAB14N-26W02
		7433505694	7433505696	7433505698	7433505700	7433505702	7433505704
	0.5 m	EPIC MC17P1LSAB12-26W05	EPIC MC17P1LSAB20-26W05	EPIC MC17P1LSAB14N-26W05	EPIC MC17P3LSAB12-26W05	EPIC MC17P3LSAB20-26W05	EPIC MC17P3LSAB14N-26W05
		7433505695	7433505697	7433505699	7433505701	7433505703	7433505705

Wires' Color Coding

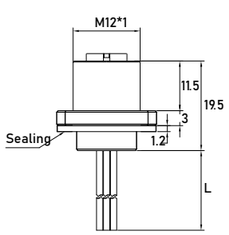
Poles & Wire Color / Pin						(17Pin)	
Pin 1	BN	BN	BN	WH	WH	BN	13.WH/BU
Pin 2		WH	WH	BN	BN	WH	14.BN/GN
Pin 3	BU	BU	BU	GN	GN	YE	15.WH/YE
Pin 4	BK	BK	BK	YE	YE	GN	16.YE/BN
Pin 5			GY	GY	GY	PK	17.WH/GY
Pin 6				PK	PK	GY	
Pin 7				BU	BU	BK	
Pin 8				RD	RD	VT	
Pin 9					OR	RD	
Pin 10					VT	BU	
Pin 11					BK	GY/PK	
Pin 12					LP	RD/BU	

M12 A-Code male/ female panel connector, Flange Type, with single wires

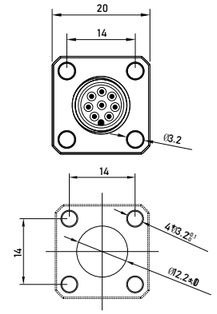
Front Fastened



Front Fastened



Recommended Panel Cut-out



Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A			2A	1.5A	
Rated voltage	250V		60V	30V	30V	
Impulse voltage	2500V		1500V	800V	500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm					
Termination	Soldering					
Wire gauge	0.34mm² (AWG 22)			0.25mm² (AWG2	0.14mm² (AWG 26)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass , Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

Ordering No.

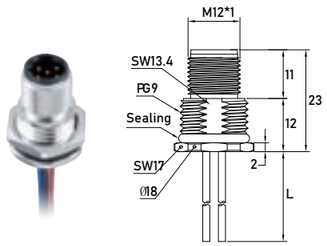
Poles	Wire length	Male		Female	
3 Pin	0.2 m	EPIC MC03P1LSABF-22W02	7433505706	EPIC MC03P2LSABF-22W02	7433505718
	0.5 m	EPIC MC03P1LSABF-22W05	7433505707	EPIC MC03P2LSABF-22W05	7433505719
4 Pin	0.2 m	EPIC MC04P1LSABF-22W02	7433505708	EPIC MC04P2LSABF-22W02	7433505720
	0.5 m	EPIC MC04P1LSABF-22W05	7433505709	EPIC MC04P2LSABF-22W05	7433505721
5 Pin	0.2 m	EPIC MC05P1LSABF-22W02	7433505710	EPIC MC05P2LSABF-22W02	7433505722
	0.5 m	EPIC MC05P1LSABF-22W05	7433505711	EPIC MC05P2LSABF-22W05	7433505723
8 Pin	0.2 m	EPIC MC08P1LSABF-24W02	7433505712	EPIC MC08P2LSABF-24W02	7433505724
	0.5 m	EPIC MC08P1LSABF-24W05	7433505713	EPIC MC08P2LSABF-24W05	7433505725
12 Pin	0.2 m	EPIC MC12P1LSABF-26W02	7433505714	EPIC MC12P2LSABF-26W02	7433505726
	0.5 m	EPIC MC12P1LSABF-26W05	7433505715	EPIC MC12P2LSABF-26W05	7433505727
17 Pin	0.2 m	EPIC MC17P1LSABF-26W02	7433505716	EPIC MC17P2LSABF-26W02	7433505728
	0.5 m	EPIC MC17P1LSABF-26W05	7433505717	EPIC MC17P2LSABF-26W05	7433505729

Wires' Color Coding

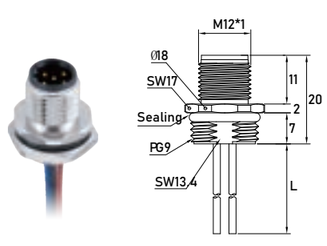
Poles & Wire Color / Pin					(12Pin)	(17Pin)		
Pin 1	BN	BN	BN	WH	WH	10.VT	BN	10.BU
Pin 2		WH	WH	BN	BN	11.BK	WH	11.GY/PK
Pin 3	BU	BU	BU	GN	GN	12.LP	YE	12.RD/BU
Pin 4	BK	BK	BK	YE	YE		GN	13.WH/BU
Pin 5			GY	GY	GY		PK	14.BN/GN
Pin 6				PK	PK		GY	15.WH/YE
Pin 7				BU	BU		BK	16.YE/BN
Pin 8				RD	RD		VT	17.WH/GY
Pin 9					OR		RD	

M12 B-Code male panel connector, front/ rear mount, with single wires

Front Fastened

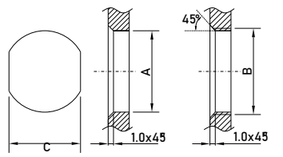


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$	N/ A	N/ A



Connector Technical data	
Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

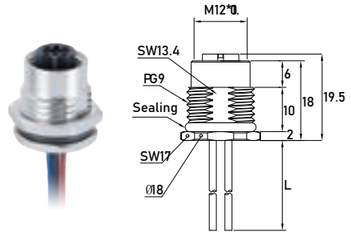
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
5 Pin	0.2 m	EPIC MC05P1LSBBP9-22W02	EPIC MC05P1LSBB16-22W02	EPIC MC05P1LSBB20-22W02	EPIC MC05P1LSBB14N-22W02	EPIC MC05P3LSBBP9-22W02	EPIC MC05P3LSBB16-22W02	EPIC MC05P3LSBB20-22W02	EPIC MC05P3LSBB14N-22W02
		7433505730	7433505736	7433505742	7433505748	7433505754	7433505760	7433505766	7433505772
	0.3 m	EPIC MC05P1LSBBP9-22W03	EPIC MC05P1LSBB16-22W03	EPIC MC05P1LSBB20-22W03	EPIC MC05P1LSBB14N-22W03	EPIC MC05P3LSBBP9-22W03	EPIC MC05P3LSBB16-22W03	EPIC MC05P3LSBB20-22W03	EPIC MC05P3LSBB14N-22W03
		7433505731	7433505737	7433505743	7433505749	7433505755	7433505761	7433505767	7433505773
	0.5 m	EPIC MC05P1LSBBP9-22W05	EPIC MC05P1LSBB16-22W05	EPIC MC05P1LSBB20-22W05	EPIC MC05P1LSBB14N-22W05	EPIC MC05P3LSBBP9-22W05	EPIC MC05P3LSBB16-22W05	EPIC MC05P3LSBB20-22W05	EPIC MC05P3LSBB14N-22W05
		7433505732	7433505738	7433505744	7433505750	7433505756	7433505762	7433505768	7433505774
	1.0m	EPIC MC05P1LSBBP9-22W10	EPIC MC05P1LSBB16-22W10	EPIC MC05P1LSBB20-22W10	EPIC MC05P1LSBB14N-22W10	EPIC MC05P3LSBBP9-22W10	EPIC MC05P3LSBB16-22W10	EPIC MC05P3LSBB20-22W10	EPIC MC05P3LSBB14N-22W10
		7433505733	7433505739	7433505745	7433505751	7433505757	7433505763	7433505769	7433505775
	1.5 m	EPIC MC05P1LSBBP9-22W15	EPIC MC05P1LSBB16-22W15	EPIC MC05P1LSBB20-22W15	EPIC MC05P1LSBB14N-22W15	EPIC MC05P3LSBBP9-22W15	EPIC MC05P3LSBB16-22W15	EPIC MC05P3LSBB20-22W15	EPIC MC05P3LSBB14N-22W15
		7433505734	7433505740	7433505746	7433505752	7433505758	7433505764	7433505770	7433505776
	2.0 m	EPIC MC05P1LSBBP9-22W20	EPIC MC05P1LSBB16-22W20	EPIC MC05P1LSBB20-22W20	EPIC MC05P1LSBB14N-22W20	EPIC MC05P3LSBBP9-22W20	EPIC MC05P3LSBB16-22W20	EPIC MC05P3LSBB20-22W20	EPIC MC05P3LSBB14N-22W20
		7433505735	7433505741	7433505747	7433505753	7433505759	7433505765	7433505771	7433505777

Wires' Color Coding

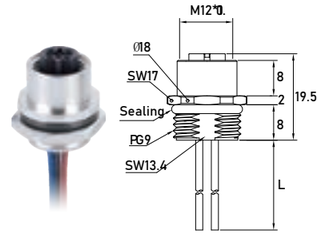
Poles & Wire Color / Pin	
Pin 1	BN
Pin 2	WH
Pin 3	BU
Pin 4	BK
Pin 5	GY

M12 B-Code female panel connector, front/ rear mount, with single wires

Front Fastened 锁

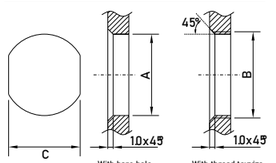


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$	N/ A	N/ A



Connector Technical data	
Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm
Termination	Soldering
Wire gauge	0.75~0.25mm² (AWG 18~22)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

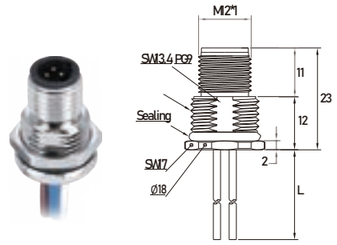
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
5 Pin	0.2 m	EPIC MC05P2LSBBP9-22W02	EPIC MC05P2LSBB16-22W02	EPIC MC05P2LSBB20-22W02	EPIC MC05P2LSBB14N-22W02	EPIC MC05P4LSBBP9-22W02	EPIC MC05P4LSBB16-22W02	EPIC MC05P4LSBB20-22W02	EPIC MC05P4LSBB14N-22W02
		7433505778	7433505784	7433505790	7433505796	7433505802	7433505808	7433505814	7433505820
	0.3 m	EPIC MC05P2LSBBP9-22W03	EPIC MC05P2LSBB16-22W03	EPIC MC05P2LSBB20-22W03	EPIC MC05P2LSBB14N-22W03	EPIC MC05P4LSBBP9-22W03	EPIC MC05P4LSBB16-22W03	EPIC MC05P4LSBB20-22W03	EPIC MC05P4LSBB14N-22W03
		7433505779	7433505785	7433505791	7433505797	7433505803	7433505809	7433505815	7433505821
	0.5 m	EPIC MC05P2LSBBP9-22W05	EPIC MC05P2LSBB16-22W05	EPIC MC05P2LSBB20-22W05	EPIC MC05P2LSBB14N-22W05	EPIC MC05P4LSBBP9-22W05	EPIC MC05P4LSBB16-22W05	EPIC MC05P4LSBB20-22W05	EPIC MC05P4LSBB14N-22W05
		7433505780	7433505786	7433505792	7433505798	7433505804	7433505810	7433505816	7433505822
	1.0m	EPIC MC05P2LSBBP9-22W10	EPIC MC05P2LSBB16-22W10	EPIC MC05P2LSBB20-22W10	EPIC MC05P2LSBB14N-22W10	EPIC MC05P4LSBBP9-22W10	EPIC MC05P4LSBB16-22W10	EPIC MC05P4LSBB20-22W10	EPIC MC05P4LSBB14N-22W10
		7433505781	7433505787	7433505793	7433505799	7433505805	7433505811	7433505817	7433505823
	1.5 m	EPIC MC05P2LSBBP9-22W15	EPIC MC05P2LSBB16-22W15	EPIC MC05P2LSBB20-22W15	EPIC MC05P2LSBB14N-22W15	EPIC MC05P4LSBBP9-22W15	EPIC MC05P4LSBB16-22W15	EPIC MC05P4LSBB20-22W15	EPIC MC05P4LSBB14N-22W15
		7433505782	7433505788	7433505794	7433505800	7433505806	7433505812	7433505818	7433505824
	2.0 m	EPIC MC05P2LSBBP9-22W20	EPIC MC05P2LSBB16-22W20	EPIC MC05P2LSBB20-22W20	EPIC MC05P2LSBB14N-22W20	EPIC MC05P4LSBBP9-22W20	EPIC MC05P4LSBB16-22W20	EPIC MC05P4LSBB20-22W20	EPIC MC05P4LSBB14N-22W20
		7433505783	7433505789	7433505795	7433505801	7433505807	7433505813	7433505819	7433505825

Wires' Color Coding

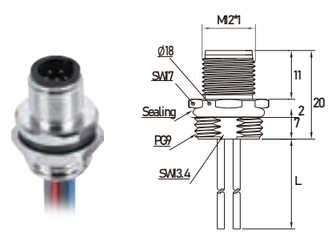
Poles & Wire Color / Pin	
Pin 1	BN
Pin 2	WH
Pin 3	BU
Pin 4	BK
Pin 5	GY

M12 C-Code male panel connector, front/ rear mount, with single wires

Front Fastened

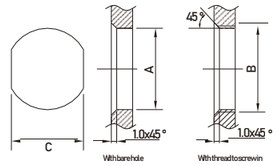


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3 +0.1 -0	16.1 +0.1 -0	20.1 +0.1 -0	21.4 +0.1 -0
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5 +0.1 -0	13.6 +0.1 -0	N/A	N/A



Connector Technical data				
Contacts No.	3 Pin (2+PE)	4 Pin (3+PE)	5 Pin (4+PE)	6 Pin (5+PE)
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A	2A	2A	
Rated voltage	250V	60V	30V	
Impulse voltage	2500V	1500V	800V	
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm			
Termination	Soldering			
Wire gauge	0.34mm² (AWG 22)	0.25mm² (AWG 24)		
Rated temperature	Flexible: -25 ~ 80℃; Static : -40 ~ 80℃			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	PA66 + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.

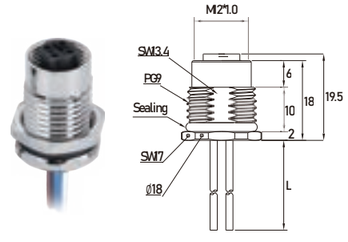
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC MC03PILSCBP9-22W02	EPIC MC03PILSCB16-22W02	EPIC MC03PILSCB20-22W02	EPIC MC03PILSCB14N-22W02	EPIC MC03P3LSCBP9-22W02	EPIC MC03P3LSCB16-22W02	EPIC MC03P3LSCB20-22W02	EPIC MC03P3LSCB14N-22W02
	0.5 m	EPIC MC03PILSCBP9-22W05	EPIC MC03PILSCB16-22W05	EPIC MC03PILSCB20-22W05	EPIC MC03PILSCB14N-22W05	EPIC MC03P3LSCBP9-22W05	EPIC MC03P3LSCB16-22W05	EPIC MC03P3LSCB20-22W05	EPIC MC03P3LSCB14N-22W05
4 Pin	0.2 m	EPIC MC04PILSCBP9-22W02	EPIC MC04PILSCB16-22W02	EPIC MC04PILSCB20-22W02	EPIC MC04PILSCB14N-22W02	EPIC MC04P3LSCBP9-22W02	EPIC MC04P3LSCB16-22W02	EPIC MC04P3LSCB20-22W02	EPIC MC04P3LSCB14N-22W02
	0.5 m	EPIC MC04PILSCBP9-22W05	EPIC MC04PILSCB16-22W05	EPIC MC04PILSCB20-22W05	EPIC MC04PILSCB14N-22W05	EPIC MC04P3LSCBP9-22W05	EPIC MC04P3LSCB16-22W05	EPIC MC04P3LSCB20-22W05	EPIC MC04P3LSCB14N-22W05
5 Pin	0.2 m	EPIC MC05PILSCBP9-24W02	EPIC MC05PILSCB16-24W02	EPIC MC05PILSCB20-24W02	EPIC MC05PILSCB14N-24W02	EPIC MC05P3LSCBP9-24W02	EPIC MC05P3LSCB16-24W02	EPIC MC05P3LSCB20-24W02	EPIC MC05P3LSCB14N-24W02
	0.5 m	EPIC MC05PILSCBP9-24W05	EPIC MC05PILSCB16-24W05	EPIC MC05PILSCB20-24W05	EPIC MC05PILSCB14N-24W05	EPIC MC05P3LSCBP9-24W05	EPIC MC05P3LSCB16-24W05	EPIC MC05P3LSCB20-24W05	EPIC MC05P3LSCB14N-24W05
8 Pin	0.2 m	EPIC MC06PILSCBP9-24W02	EPIC MC06PILSCB16-24W02	EPIC MC06PILSCB20-24W02	EPIC MC06PILSCB14N-24W02	EPIC MC06P3LSCBP9-24W02	EPIC MC06P3LSCB16-24W02	EPIC MC06P3LSCB20-24W02	EPIC MC06P3LSCB14N-24W02
	0.5 m	EPIC MC06PILSCBP9-24W05	EPIC MC06PILSCB16-24W05	EPIC MC06PILSCB20-24W05	EPIC MC06PILSCB14N-24W05	EPIC MC06P3LSCBP9-24W05	EPIC MC06P3LSCB16-24W05	EPIC MC06P3LSCB20-24W05	EPIC MC06P3LSCB14N-24W05

Cable's Color Coding & Wiring

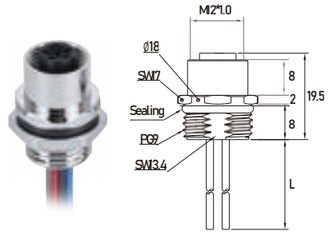
Poles & Wire Color / Pin				
Pin 1	BN	BN	BN	BN
Pin 2	BU	WH	WH	WH
Pin 3	BK	BU	BU	BU
Pin 4		BK	BK	BK
Pin 5			GY	GY
Pin 6				PK

M12 C-Code female panel connector, front/ rear mount, with single wires

Front Fastened

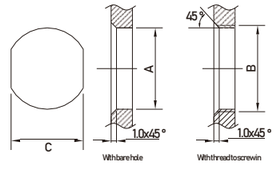


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3 +0.1 -0	16.1 +0.1 -0	20.1 +0.1 -0	21.4 +0.1 -0
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5 +0.1 -0	13.6 +0.1 -0	N/A	N/A



Connector Technical data				
Contacts No.	3 Pin (2+PE)	4 Pin (3+PE)	5 Pin (4+PE)	6 Pin (5+PE)
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A	2A	2A	
Rated voltage	250V	60V	30V	
Impulse voltage	2500V	1500V	800V	
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm			
Termination	Soldering			
Wire gauge	0.34mm² (AWG 22)			
Rated temperature	Flexible: -25 ~ 80 ; Static : -40 ~ 80			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	PA66 + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.

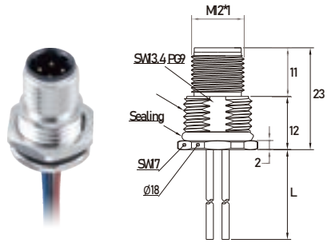
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC MC03P2LSCBP9-22W02	EPIC MC03P2LSCB16-22W02	EPIC MC03P2LSCB20-22W02	EPIC MC03P2LSCB14N-22W02	EPIC MC03P4LSCBP9-22W02	EPIC MC03P4LSCB16-22W02	EPIC MC03P4LSCB20-22W02	EPIC MC03P4LSCB14N-22W02
	0.5 m	EPIC MC03P2LSCBP9-22W05	EPIC MC03P2LSCB16-22W05	EPIC MC03P2LSCB20-22W05	EPIC MC03P2LSCB14N-22W05	EPIC MC03P4LSCBP9-22W05	EPIC MC03P4LSCB16-22W05	EPIC MC03P4LSCB20-22W05	EPIC MC03P4LSCB14N-22W05
4 Pin	0.2 m	EPIC MC04P2LSCBP9-22W02	EPIC MC04P2LSCB16-22W02	EPIC MC04P2LSCB20-22W02	EPIC MC04P2LSCB14N-22W02	EPIC MC04P4LSCBP9-22W02	EPIC MC04P4LSCB16-22W02	EPIC MC04P4LSCB20-22W02	EPIC MC04P4LSCB14N-22W02
	0.5 m	EPIC MC04P2LSCBP9-22W05	EPIC MC04P2LSCB16-22W05	EPIC MC04P2LSCB20-22W05	EPIC MC04P2LSCB14N-22W05	EPIC MC04P4LSCBP9-22W05	EPIC MC04P4LSCB16-22W05	EPIC MC04P4LSCB20-22W05	EPIC MC04P4LSCB14N-22W05
5 Pin	0.2 m	EPIC MC05P2LSCBP9-24W02	EPIC MC05P2LSCB16-24W02	EPIC MC05P2LSCB20-24W02	EPIC MC05P2LSCB14N-24W02	EPIC MC05P4LSCBP9-24W02	EPIC MC05P4LSCB16-24W02	EPIC MC05P4LSCB20-24W02	EPIC MC05P4LSCB14N-24W02
	0.5 m	EPIC MC05P2LSCBP9-24W05	EPIC MC05P2LSCB16-24W05	EPIC MC05P2LSCB20-24W05	EPIC MC05P2LSCB14N-24W05	EPIC MC05P4LSCBP9-24W05	EPIC MC05P4LSCB16-24W05	EPIC MC05P4LSCB20-24W05	EPIC MC05P4LSCB14N-24W05
6 Pin	0.2 m	EPIC MC06P2LSCBP9-24W02	EPIC MC06P2LSCB16-24W02	EPIC MC06P2LSCB20-24W02	EPIC MC06P2LSCB14N-24W02	EPIC MC06P4LSCBP9-24W02	EPIC MC06P4LSCB16-24W02	EPIC MC06P4LSCB20-24W02	EPIC MC06P4LSCB14N-24W02
	0.5 m	EPIC MC06P2LSCBP9-24W05	EPIC MC06P2LSCB16-24W05	EPIC MC06P2LSCB20-24W05	EPIC MC06P2LSCB14N-24W05	EPIC MC06P4LSCBP9-24W05	EPIC MC06P4LSCB16-24W05	EPIC MC06P4LSCB20-24W05	EPIC MC06P4LSCB14N-24W05

Cable's Color Coding & Wiring

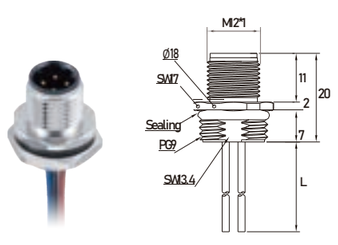
Poles & Wire Color / Pin				
Pin 1	BN	BN	BN	BN
Pin 2	BU	WH	WH	WH
Pin 3	BK	BU	BU	BU
Pin 4		BK	BK	BK
Pin 5			GY	GY
Pin 6				PK

M12 D-Code male panel connector, front/ rear mount, with single wires

Front Fastened

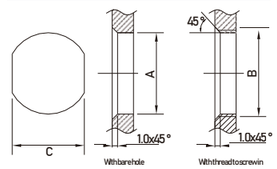


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3 +0.1 -0	16.1 +0.1 -0	20.1 +0.1 -0	21.4 +0.1 -0
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5 +0.1 -0	13.6 +0.1 -0	N/A	N/A



Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

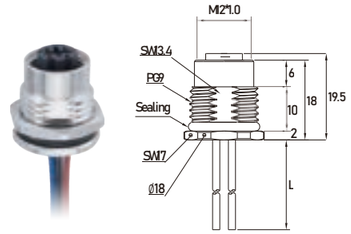
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
5 Pin	0.2 m	EPIC MC04P1LSDBP9-22W02	EPIC MC04P1LSDB16-22W02	EPIC MC04P1LSDB20-22W02	EPIC MC04P1LSDB14N-22W02	EPIC MC04P3LSDBP9-22W02	EPIC MC04P3LSDB16-22W02	EPIC MC04P3LSDB20-22W02	EPIC MC04P3LSDB14N-22W02
		7433505826	7433505832	7433505838	7433505844	7433505850	7433505856	7433505862	7433505868
	0.3 m	EPIC MC04P1LSDBP9-22W03	EPIC MC04P1LSDB16-22W03	EPIC MC04P1LSDB20-22W03	EPIC MC04P1LSDB14N-22W03	EPIC MC04P3LSDBP9-22W03	EPIC MC04P3LSDB16-22W03	EPIC MC04P3LSDB20-22W03	EPIC MC04P3LSDB14N-22W03
		7433505827	7433505833	7433505839	7433505845	7433505851	7433505857	7433505863	7433505869
	0.5 m	EPIC MC04P1LSDBP9-22W05	EPIC MC04P1LSDB16-22W05	EPIC MC04P1LSDB20-22W05	EPIC MC04P1LSDB14N-22W05	EPIC MC04P3LSDBP9-22W05	EPIC MC04P3LSDB16-22W05	EPIC MC04P3LSDB20-22W05	EPIC MC04P3LSDB14N-22W05
		7433505828	7433505834	7433505840	7433505846	7433505852	7433505858	7433505864	7433505870
	1.0 m	EPIC MC04P1LSDBP9-22W10	EPIC MC04P1LSDB16-22W10	EPIC MC04P1LSDB20-22W10	EPIC MC04P1LSDB14N-22W10	EPIC MC04P3LSDBP9-22W10	EPIC MC04P3LSDB16-22W10	EPIC MC04P3LSDB20-22W10	EPIC MC04P3LSDB14N-22W10
		7433505829	7433505835	7433505841	7433505847	7433505853	7433505859	7433505865	7433505871
	1.5 m	EPIC MC04P1LSDBP9-22W15	EPIC MC04P1LSDB16-22W15	EPIC MC04P1LSDB20-22W15	EPIC MC04P1LSDB14N-22W15	EPIC MC04P3LSDBP9-22W15	EPIC MC04P3LSDB16-22W15	EPIC MC04P3LSDB20-22W15	EPIC MC04P3LSDB14N-22W15
		7433505830	7433505836	7433505842	7433505848	7433505854	7433505860	7433505866	7433505872
	2.0 m	EPIC MC04P1LSDBP9-22W20	EPIC MC04P1LSDB16-22W20	EPIC MC04P1LSDB20-22W20	EPIC MC04P1LSDB14N-22W20	EPIC MC04P3LSDBP9-22W20	EPIC MC04P3LSDB16-22W20	EPIC MC04P3LSDB20-22W20	EPIC MC04P3LSDB14N-22W20
		7433505831	7433505837	7433505843	7433505849	7433505855	7433505861	7433505867	7433505873

Wires' Color Coding

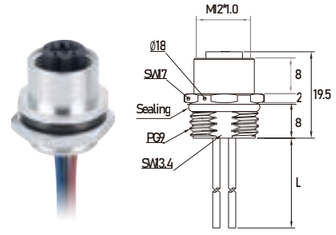
Poles & Wire Color / Pin		
Pin 1	BN	YE
Pin 2	WH	WH
Pin 3	BU	OR
Pin 4	BK	BU

M12 D-Code female panel connector, front/ rear mount, with single wires

Front Fastened

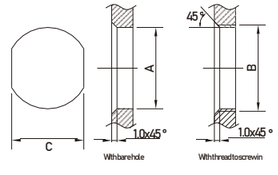


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3 +0.1 -0	16.1 +0.1 -0	20.1 +0.1 -0	21.4 +0.1 -0
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5 +0.1 -0	13.6 +0.1 -0	N/A	N/A



Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

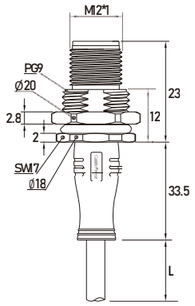
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
5 Pin	0.2 m	EPIC MC04P2LSDBP9-22W02	EPIC MC04P2LSDB16-22W02	EPIC MC04P2LSDB20-22W02	EPIC MC04P2LSDB14N-22W02	EPIC MC04P4LSDBP9-22W02	EPIC MC04P4LSDB16-22W02	EPIC MC04P4LSDB20-22W02	EPIC MC04P4LSDB14N-22W02
		7433505874	7433505880	7433505886	7433505892	7433505898	7433505904	7433505910	7433505916
	0.3 m	EPIC MC04P2LSDBP9-22W03	EPIC MC04P2LSDB16-22W03	EPIC MC04P2LSDB20-22W03	EPIC MC04P2LSDB14N-22W03	EPIC MC04P4LSDBP9-22W03	EPIC MC04P4LSDB16-22W03	EPIC MC04P4LSDB20-22W03	EPIC MC04P4LSDB14N-22W03
		7433505875	7433505881	7433505887	7433505893	7433505899	7433505905	7433505911	7433505917
	0.5 m	EPIC MC04P2LSDBP9-22W05	EPIC MC04P2LSDB16-22W05	EPIC MC04P2LSDB20-22W05	EPIC MC04P2LSDB14N-22W05	EPIC MC04P4LSDBP9-22W05	EPIC MC04P4LSDB16-22W05	EPIC MC04P4LSDB20-22W05	EPIC MC04P4LSDB14N-22W05
		7433505876	7433505882	7433505888	7433505894	7433505900	7433505906	7433505912	7433505918
	1.0 m	EPIC MC04P2LSDBP9-22W10	EPIC MC04P2LSDB16-22W10	EPIC MC04P2LSDB20-22W10	EPIC MC04P2LSDB14N-22W10	EPIC MC04P4LSDBP9-22W10	EPIC MC04P4LSDB16-22W10	EPIC MC04P4LSDB20-22W10	EPIC MC04P4LSDB14N-22W10
		7433505877	7433505883	7433505889	7433505895	7433505901	7433505907	7433505913	7433505919
	1.5 m	EPIC MC04P2LSDBP9-22W15	EPIC MC04P2LSDB16-22W15	EPIC MC04P2LSDB20-22W15	EPIC MC04P2LSDB14N-22W15	EPIC MC04P4LSDBP9-22W15	EPIC MC04P4LSDB16-22W15	EPIC MC04P4LSDB20-22W15	EPIC MC04P4LSDB14N-22W15
		7433505878	7433505884	7433505890	7433505896	7433505902	7433505908	7433505914	7433505920
	2.0 m	EPIC MC04P2LSDBP9-22W20	EPIC MC04P2LSDB16-22W20	EPIC MC04P2LSDB20-22W20	EPIC MC04P2LSDB14N-22W20	EPIC MC04P4LSDBP9-22W20	EPIC MC04P4LSDB16-22W20	EPIC MC04P4LSDB20-22W20	EPIC MC04P4LSDB14N-22W20
		7433505879	7433505885	7433505891	7433505897	7433505903	7433505909	7433505915	7433505921

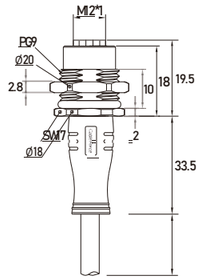
Wires' Color Coding

Poles & Wire Color / Pin		
Pin 1	BN	YE
Pin 2	WH	WH
Pin 3	BU	OR
Pin 4	BK	BU

M12 D-Code male/ female panel connector, EMI-Shielded, molded with cable

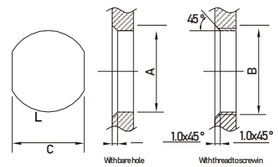
Front Fastened





Recommended Panel Cut-out

Chassis side	PG9	M6
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M6x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



Connector Technical data		
Contacts No.	M12 D-Code 4Pin male	M12 D-Code 4Pin female
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm	
Termination	Soldering	
Wire gauge	0.34mm² (AWG 22)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass , Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

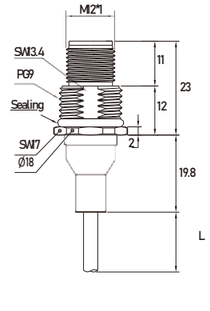
Poles	Wire length	Male (PUR cable, Balck)		Female (PUR cable, Balck)	
		PG9	M16x1.5	PG9	M16x1. 5
4 Pin	1.0 m	EPIC MC04P9LSDSBP9-22RK10	EPIC MC04P9LSDSB16-22RK10	EPIC MC04P8LSDSBP9-22RK10	EPIC MC04P8LSDSB16-22RK10
		7433505922	7433505928	7433505934	7433505940
	2.0 m	EPIC MC04P9LSDSBP9-22RK20	EPIC MC04P9LSDSB16-22RK20	EPIC MC04P8LSDSBP9-22RK20	EPIC MC04P8LSDSB16-22RK20
		7433505923	7433505929	7433505935	7433505941
	3.0 m	EPIC MC04P9LSDSBP9-22RK30	EPIC MC04P9LSDSB16-22RK30	EPIC MC04P8LSDSBP9-22RK30	EPIC MC04P8LSDSB16-22RK30
		7433505924	7433505930	7433505936	7433505942
	5.0 m	EPIC MC04P9LSDSBP9-22RK50	EPIC MC04P9LSDSB16-22RK50	EPIC MC04P8LSDSBP9-22RK50	EPIC MC04P8LSDSB16-22RK50
		7433505925	7433505931	7433505937	7433505943
	7.0 m	EPIC MC04P9LSDSBP9-22RK70	EPIC MC04P9LSDSB16-22RK70	EPIC MC04P8LSDSBP9-22RK70	EPIC MC04P8LSDSB16-22RK70
		7433505926	7433505932	7433505938	7433505944
	10.0 m	EPIC MC04P9LSDSBP9-22RK100	EPIC MC04P9LSDSB16-22RK100	EPIC MC04P8LSDSBP9-22RK100	EPIC MC04P8LSDSB16-22RK100
		7433505927	7433505933	7433505939	7433505945

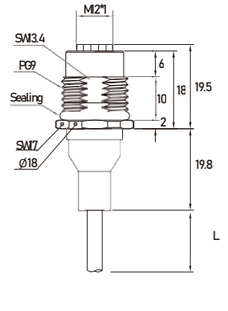
Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
Pin 1	YE	YE
Pin 2	WH	WH
Pin 3	OR	OR
Pin 4	BU	BU

M12 D-Code male/ female panel connector, EMI-Shielded, with cable

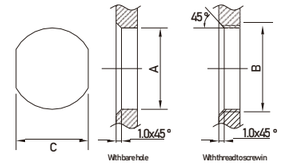
Front Fastened





Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



Connector Technical data		
Contacts No.	M12 D-Code 4Pin male	M12 D-Code 4Pin female
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm	
Termination	Soldering	
Wire gauge	0.34mm² (AWG 22)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass , Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	

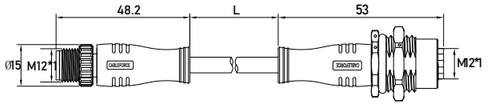
Ordering No.

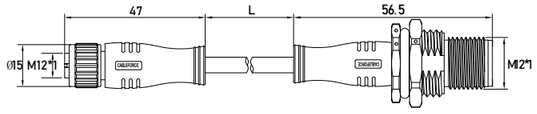
Poles	Wire length	Male (PUR cable, Balck)		Female (PUR cable, Balck)	
		PG9	M16x1.5	PG9	M16x1. 5
4 Pin	1.0 m	EPIC MC04P1LSDSBP9-22RG1	EPIC MC04P1LSDSB16-22RG1	EPIC MC04P2LSDSBP9-22RG1	EPIC MC04P2LSDSB16-22RG1
		7433505946	7433505952	7433505958	7433505964
	2.0 m	EPIC MC04P1LSDSBP9-22RG2	EPIC MC04P1LSDSB16-22RG2	EPIC MC04P2LSDSBP9-22RG2	EPIC MC04P2LSDSB16-22RG2
		7433505947	7433505953	7433505959	7433505965
	3.0 m	EPIC MC04P1LSDSBP9-22RG3	EPIC MC04P1LSDSB16-22RG3	EPIC MC04P2LSDSBP9-22RG3	EPIC MC04P2LSDSB16-22RG3
		7433505948	7433505954	7433505960	7433505966
	5.0 m	EPIC MC04P1LSDSBP9-22RG5	EPIC MC04P1LSDSB16-22RG5	EPIC MC04P2LSDSBP9-22RG5	EPIC MC04P2LSDSB16-22RG5
		7433505949	7433505955	7433505961	7433505967
	7.0 m	EPIC MC04P1LSDSBP9-22RG7	EPIC MC04P1LSDSB16-22RG7	EPIC MC04P2LSDSBP9-22RG7	EPIC MC04P2LSDSB16-22RG7
		7433505950	7433505956	7433505962	7433505968
	10.0 m	PIC MC04P1LSDSBP9-22RG10	PIC MC04P1LSDSB16-22RG10	PIC MC04P2LSDSBP9-22RG10	PIC MC04P2LSDSB16-22RG10
		7433505951	7433505957	7433505963	7433505969

Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
Pin 1	YE	YE
Pin 2	WH	WH
Pin 3	OR	OR
Pin 4	BU	BU

M12 4Pin D-Code molding type connector to panel mount connector molded Cat 5e S/FTP 2x2x22AWG Ethernet cable



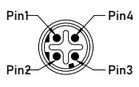


Connector Technical data			
Contacts No.	M12 D-Code 4Pin male	Cable Color	M12 D-Code 4Pin female
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	4A		
Rated voltage	250V		
Impulse voltage	2500V		
Locking system	M12 x 1.0 screw		
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm		
Termination	Soldering		
Wire gauge	0.34mm² (AWG 22), CAT 5E SFTP		
Rated temperature	– 40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Characteristic impedance	100Ω ±15		
Over-molding	TPU		
Contact carrier	TPU + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass , Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP67, IP68		
Pollution degree	3		

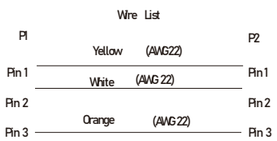
Ordering No.

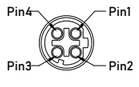
Poles	Cable length	Male molding type to female panel connector		Female molding type to male panel connector	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1 m	EPIC MC04C1/P2LSDSB22CK10-C5E	EPIC MC04C1/P2LSDSB22RK10-C5E	EPIC MC04C2/P1LSDSB22CK10-C5E	EPIC MC04C2/P1LSDSB22RK10-C5E
		7433503948	7433503954	7433503960	7433503966
	2 m	EPIC MC04C1/P2LSDSB22CK20-C5E	EPIC MC04C1/P2LSDSB22RK20-C5E	EPIC MC04C2/P1LSDSB22CK20-C5E	EPIC MC04C2/P1LSDSB22RK20-C5E
		7433503949	7433503955	7433503961	7433503967
	5 m	EPIC MC04C1/P2LSDSB22CK50-C5E	EPIC MC04C1/P2LSDSB22RK50-C5E	EPIC MC04C2/P1LSDSB22CK50-C5E	EPIC MC04C2/P1LSDSB22RK50-C5E
		7433503950	7433503956	7433503962	7433503968
	10 m	EPIC MC04C1/P2LSDSB22CK100-C5E	EPIC MC04C1/P2LSDSB22RK100-C5E	EPIC MC04C2/P1LSDSB22CK100-C5E	EPIC MC04C2/P1LSDSB22RK100-C5E
		7433503951	7433503957	7433503963	7433503969
	15 m	EPIC MC04C1/P2LSDSB22CK150-C5E	EPIC MC04C1/P2LSDSB22RK150-C5E	EPIC MC04C2/P1LSDSB22CK150-C5E	EPIC MC04C2/P1LSDSB22RK150-C5E
		7433503952	7433503958	7433503964	7433503970
	20 m	EPIC MC04C1/P2LSDSB22CK200-C5E	EPIC MC04C1/P2LSDSB22RK200-C5E	EPIC MC04C2/P1LSDSB22CK200-C5E	EPIC MC04C2/P1LSDSB22RK200-C5E
		7433503953	7433503959	7433503965	7433503971

Wiring Diagram



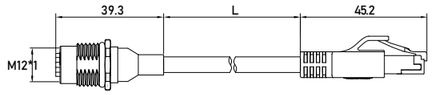
Pin Assignment
Front View
M12 Female D-Coding 4 Pin

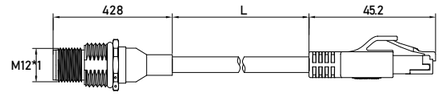




Pin Assignment
Front View
M12 Female D-Coding 4 Pin

M12 4Pin D-Code panel mount connector to RJ45 male plug with Cat 5e S/FTP 2x2x22AWG Ethernet cable



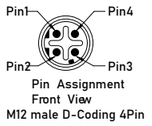


Connector Technical data				
Contacts No.	M12 D-Code 4Pin male	M12 D-Code 4Pin female	Cable Color (26 AWG)	RJ45 Male
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	250V			
Impulse voltage	2500V			
Locking system	M12 x 1.0 screw			
Termination	M12: Soldering , RJ45: Piercing			
Wire gauge	0.14mm² (AWG 26), CAT 5E SFTP			
Rated temperature	– 40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Characteristic impedance	100Ω ±15			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass , Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP67, IP68			
Drag chain bending	2 Million times			
Pollution degree	3			

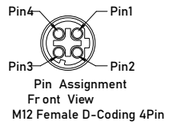
Ordering No.

Poles	Cable length	M12 D-Code female to RJ45 Plug		M12 D-Code male to RJ45 Plug	
		PUR (Green Cable)	PVC (Green Cable)	PUR (Green Cable)	PVC (Green Cable)
4 Pin	1 m	EPIC RJ5EC1-MC04P2LSDSB26RG10-PFNF2	EPIC RJ5EC1-MC04P2LSDSB26CG10-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26RG10-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26CG10-PFNF2
		7433503972	7433503978	7433503984	7433503990
	2 m	EPIC RJ5EC1-MC04P2LSDSB26RG20-PFNF2	EPIC RJ5EC1-MC04P2LSDSB26CG20-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26RG20-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26CG20-PFNF2
		7433503973	7433503979	7433503985	7433503991
	5 m	EPIC RJ5EC1-MC04P2LSDSB26RG50-PFNF2	EPIC RJ5EC1-MC04P2LSDSB26CG50-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26RG50-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26CG50-PFNF2
		7433503974	7433503980	7433503986	7433503992
	10 m	EPIC RJ5EC1-MC04P2LSDSB26RG100-PFNF2	EPIC RJ5EC1-MC04P2LSDSB26CG100-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26RG100-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26CG100-PFNF2
		7433503975	7433503981	7433503987	7433503993
	15 m	EPIC RJ5EC1-MC04P2LSDSB26RG150-PFNF2	EPIC RJ5EC1-MC04P2LSDSB26CG150-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26RG150-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26CG150-PFNF2
		7433503976	7433503982	7433503988	7433503994
	20 m	EPIC RJ5EC1-MC04P2LSDSB26RG200-PFNF2	EPIC RJ5EC1-MC04P2LSDSB26CG200-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26RG200-PFNF2	EPIC RJ5EC1-MC04P1LSDSB26CG200-PFNF2
		7433503977	7433503983	7433503989	7433503995

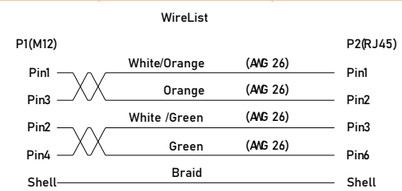
Wiring Diagram

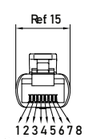


Pin Assignment
Front View
M12 male D-Coding 4Pin



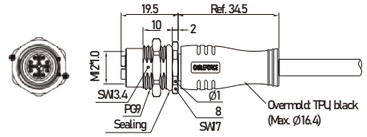
Pin Assignment
Front View
M12 Female D-Coding 4Pin





RJ45 front view

M12 X-Code female panel mount connector, molded with Cat 6A S/FTP ethernet cable, EMI/ RFI-Shielded, free end



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm
Termination	Soldering
Wire gauge	0.14mm² (AWG 26)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP65, IP67
Pollution degree	3

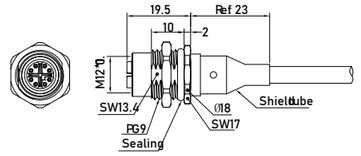
Ordering No.

Poles	Cable length	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08P8LSXSB26CG10-PFN	EPIC MC08P8LSXSB26RG10-PFN
		7433503996	7433504002
	2 m	EPIC MC08P8LSXSB26CG20-PFN	EPIC MC08P8LSXSB26RG20-PFN
		7433503997	7433504003
	5 m	EPIC MC08P8LSXSB26CG30-PFN	EPIC MC08P8LSXSB26RG30-PFN
		7433503998	7433504004
	3 m	EPIC MC08P8LSXSB26CG50-PFN	EPIC MC08P8LSXSB26RG50-PFN
		7433503999	7433504005
	10 m	EPIC MC08P8LSXSB26CG100-PFN	EPIC MC08P8LSXSB26RG100-PFN
		7433504000	7433504006
	15 m	EPIC MC08P8LSXSB26CG150-PFN	EPIC MC08P8LSXSB26RG150-PFN
		7433504001	7433504007

Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shell	Braid	Braid

M12 X-Code female panel mount connector, with Cat 6A S/FTP ethernet cable, EMI/ RFI-Shielded, free end



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm
Termination	Soldering
Wire gauge	0.14mm² (AWG 26)
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP65, IP67
Pollution degree	3

Ordering No.

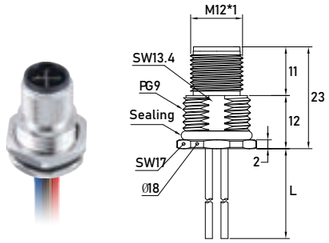
Poles	Cable length	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08P2LSXSB14CG10-PFN	EPIC MC08P2LSXSB26RG10-PFN
	2 m	EPIC MC08P2LSXSB14CG20-PFN	EPIC MC08P2LSXSB26RG20-PFN
	3 m	EPIC MC08P2LSXSB14CG30-PFN	EPIC MC08P2LSXSB26RG30-PFN
	5 m	EPIC MC08P2LSXSB14CG50-PFN	EPIC MC08P2LSXSB26RG50-PFN
	10 m	EPIC MC08P2LSXSB14CG100-PFN	EPIC MC08P2LSXSB26RG100-PFN
	15 m	EPIC MC08P2LSXSB14CG150-PFN	EPIC MC08P2LSXSB26RG150-PFN

Cable's Color Coding & Wiring

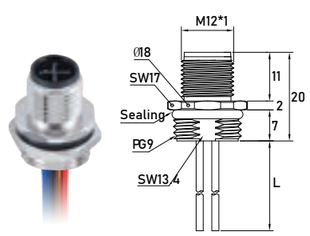
Poles & Wire Color / Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shell	Braid	Braid

M12 S-Code male panel connector, Front/ Rear Mount, With Single Wires

Front Fastened

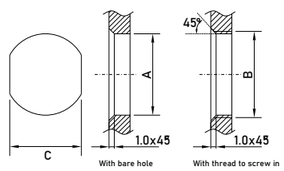


Rear Fastened



Recommended Panel Cut

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$



Connector Technical data

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm	
Termination	Crimping	
Wire gauge	1.5mm² (AWG 16)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated PA66 + GF	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

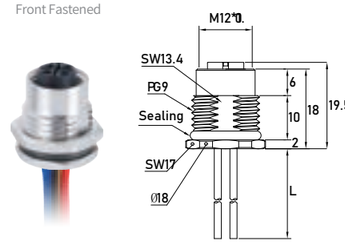
Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening		
		PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
2+PE (3 Pin)	0.5 m	EPIC MC03P1LCSBP9-16W05	EPIC MC03P1LCSB16-16W05	EPIC MC03P1LCSPP9-16W05	EPIC MC03P3LCSBP9-16W05	EPIC MC03P3LCSB16-16W05	EPIC MC03P3LCSPP9-16W05
		7433505970	7433505974	7433505978	7433505994	7433505998	7433506002
	1.0 m	EPIC MC03P1LCSBP9-16W10	EPIC MC03P1LCSB16-16W10	EPIC MC03P1LCSPP9-16W10	EPIC MC03P3LCSBP9-16W10	EPIC MC03P3LCSB16-16W10	EPIC MC03P3LCSPP9-16W10
		7433505971	7433505975	7433505979	7433505995	7433505999	7433506003
	1.5 m	EPIC MC03P1LCSBP9-16W15	EPIC MC03P1LCSB16-16W15	EPIC MC03P1LCSPP9-16W15	EPIC MC03P3LCSBP9-16W15	EPIC MC03P3LCSB16-16W15	EPIC MC03P3LCSPP9-16W15
		7433505972	7433505976	7433505980	7433505996	7433506000	7433506004
	2.0 m	EPIC MC03P1LCSBP9-16W20	EPIC MC03P1LCSB16-16W20	EPIC MC03P1LCSPP9-16W20	EPIC MC03P3LCSBP9-16W20	EPIC MC03P3LCSB16-16W20	EPIC MC03P3LCSPP9-16W20
		7433505973	7433505977	7433505981	7433505997	7433506001	7433506005
3+PE (4 Pin)	0.5 m	EPIC MC04P1LCSBP9-16W05	EPIC MC04P1LCSB16-16W05	EPIC MC04P1LCSPP9-16W05	EPIC MC04P3LCSBP9-16W05	EPIC MC04P3LCSB16-16W05	EPIC MC04P3LCSPP9-16W05
		7433505982	7433505986	7433505990	7433506006	7433506010	7433506014
	1.0 m	EPIC MC04P1LCSBP9-16W10	EPIC MC04P1LCSB16-16W10	EPIC MC04P1LCSPP9-16W10	EPIC MC04P3LCSBP9-16W10	EPIC MC04P3LCSB16-16W10	EPIC MC04P3LCSPP9-16W10
		7433505983	7433505987	7433505991	7433506007	7433506011	7433506015
	1.5 m	EPIC MC04P1LCSBP9-16W15	EPIC MC04P1LCSB16-16W15	EPIC MC04P1LCSPP9-16W15	EPIC MC04P3LCSBP9-16W15	EPIC MC04P3LCSB16-16W15	EPIC MC04P3LCSPP9-16W15
		7433505984	7433505988	7433505992	7433506008	7433506012	7433506016
	2.0 m	EPIC MC04P1LCSBP9-16W20	EPIC MC04P1LCSB16-16W20	EPIC MC04P1LCSPP9-16W20	EPIC MC04P3LCSBP9-16W20	EPIC MC04P3LCSB16-16W20	EPIC MC04P3LCSPP9-16W20
		7433505985	7433505989	7433505993	7433506009	7433506013	7433506017

Wires' Color Coding

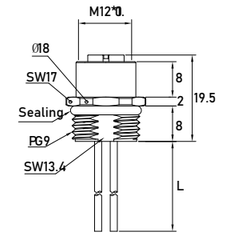
Poles & Wire Color / Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/GN	YE/GN

M12 S-Code female panel connector, Front/ Rear Mount, With Single Wires

Front Fastened

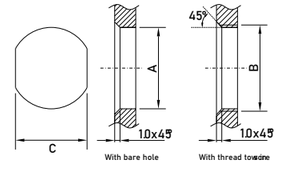


Rear Fastened



Recommended Panel Cut

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$



Connector Technical data

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm	
Termination	Crimping	
Wire gauge	1.5mm² (AWG 16)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated PA66 + GF	
Contact	Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

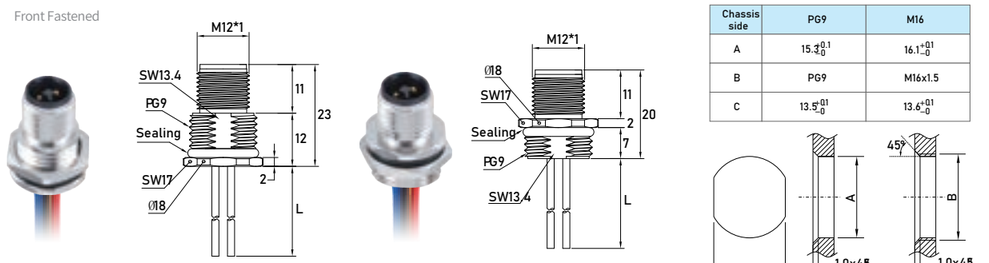
Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening		
		PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
2+PE (3 Pin)	0.5 m	EPIC MC03P2LCSBP9-16W05	EPIC MC03P2LCSB16-16W05	EPIC MC03P2LCSPP9-16W05	EPIC MC03P4LCSBP9-16W05	EPIC MC03P4LCSB16-16W05	EPIC MC03P4LCSPP9-16W05
		7433506018	7433506022	7433506026	7433506042	7433506046	7433506050
	1.0 m	EPIC MC03P2LCSBP9-16W10	EPIC MC03P2LCSB16-16W10	EPIC MC03P2LCSPP9-16W10	EPIC MC03P4LCSBP9-16W10	EPIC MC03P4LCSB16-16W10	EPIC MC03P4LCSPP9-16W10
		7433506019	7433506023	7433506027	7433506043	7433506047	7433506051
	1.5 m	EPIC MC03P2LCSBP9-16W15	EPIC MC03P2LCSB16-16W15	EPIC MC03P2LCSPP9-16W15	EPIC MC03P4LCSBP9-16W15	EPIC MC03P4LCSB16-16W15	EPIC MC03P4LCSPP9-16W15
		7433506020	7433506024	7433506028	7433506044	7433506048	7433506052
	2.0 m	EPIC MC03P2LCSBP9-16W20	EPIC MC03P2LCSB16-16W20	EPIC MC03P2LCSPP9-16W20	EPIC MC03P4LCSBP9-16W20	EPIC MC03P4LCSB16-16W20	EPIC MC03P4LCSPP9-16W20
		7433506021	7433506025	7433506029	7433506045	7433506049	7433506053
3+PE (4 Pin)	0.5 m	EPIC MC04P2LCSBP9-16W05	EPIC MC04P2LCSB16-16W05	EPIC MC04P2LCSPP9-16W05	EPIC MC04P4LCSBP9-16W05	EPIC MC04P4LCSB16-16W05	EPIC MC04P4LCSPP9-16W05
		7433506030	7433506034	7433506038	7433506054	7433506058	7433506062
	1.0 m	EPIC MC04P2LCSBP9-16W10	EPIC MC04P2LCSB16-16W10	EPIC MC04P2LCSPP9-16W10	EPIC MC04P4LCSBP9-16W10	EPIC MC04P4LCSB16-16W10	EPIC MC04P4LCSPP9-16W10
		7433506031	7433506035	7433506039	7433506055	7433506059	7433506063
	1.5 m	EPIC MC04P2LCSBP9-16W15	EPIC MC04P2LCSB16-16W15	EPIC MC04P2LCSPP9-16W15	EPIC MC04P4LCSBP9-16W15	EPIC MC04P4LCSB16-16W15	EPIC MC04P4LCSPP9-16W15
		7433506032	7433506036	7433506040	7433506056	7433506060	7433506064
	2.0 m	EPIC MC04P2LCSBP9-16W20	EPIC MC04P2LCSB16-16W20	EPIC MC04P2LCSPP9-16W20	EPIC MC04P4LCSBP9-16W20	EPIC MC04P4LCSB16-16W20	EPIC MC04P4LCSPP9-16W20
		7433506033	7433506037	7433506041	7433506057	7433506061	7433506065

Wires' Color Coding

Poles & Wire Color / Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/GN	YE/GN

M12 T-Code male panel connector, Front/ Rear Mount, With Single Wires

Front Fastened



Recommended Panel Cut

Chassis side	PG9	M16
A	$15.3^{0.1}_{0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{0.1}_{0}$	$13.6^{+0.1}_{-0}$

Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm
Termination	Crimping
Wire gauge	1.5mm² (AWG 16)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated PA66 + GF
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

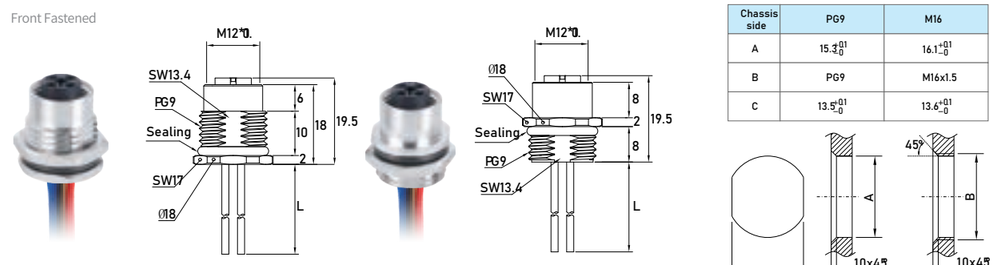
Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening	
		PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5
4 Pin	0.5 m	EPIC MC04P1LCTBP9-16W05	EPIC MC04P1LCTB16-16W05	EPIC MC04P1LCTPP9-16W05	EPIC MC04P3LCTBP9-16W05	EPIC MC04P3LCTB16-16W05
		7433506066	7433506070	7433506074	7433506078	7433506082
	1.0 m	EPIC MC04P1LCTBP9-16W10	EPIC MC04P1LCTB16-16W10	EPIC MC04P1LCTPP9-16W10	EPIC MC04P3LCTBP9-16W10	EPIC MC04P3LCTB16-16W10
		7433506067	7433506071	7433506075	7433506079	7433506083
	1.5 m	EPIC MC04P1LCTBP9-16W15	EPIC MC04P1LCTB16-16W15	EPIC MC04P1LCTPP9-16W15	EPIC MC04P3LCTBP9-16W15	EPIC MC04P3LCTB16-16W15
		7433506068	7433506072	7433506076	7433506080	7433506084
	2.0 m	EPIC MC04P1LCTBP9-16W20	EPIC MC04P1LCTB16-16W20	EPIC MC04P1LCTPP9-16W20	EPIC MC04P3LCTBP9-16W20	EPIC MC04P3LCTB16-16W20
		7433506069	7433506073	7433506077	7433506081	7433506085

Wires' Color Coding

Poles & Wire Color / Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/GN	YE/GN

M12 T-Code female panel connector, Front/ Rear Mount, With Single Wires

Front Fastened



Recommended Panel Cut

Chassis side	PG9	M16
A	$15.3^{0.1}_{0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{0.1}_{0}$	$13.6^{+0.1}_{-0}$

Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm
Termination	Crimping
Wire gauge	1.5mm² (AWG 16)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated PA66 + GF
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

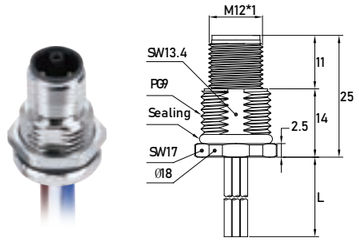
Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening	
		PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5
4 Pin	0.5 m	EPIC MC04P2LCTBP9-16W05	EPIC MC04P2LCTB16-16W05	EPIC MC04P2LCTPP9-16W05	EPIC MC04P4LCTBP9-16W05	EPIC MC04P4LCTB16-16W05
		7433506086	7433506090	7433506094	7433506098	7433506102
	1.0 m	EPIC MC04P2LCTBP9-16W10	EPIC MC04P2LCTB16-16W10	EPIC MC04P2LCTPP9-16W10	EPIC MC04P4LCTBP9-16W10	EPIC MC04P4LCTB16-16W10
		7433506087	7433506091	7433506095	7433506099	7433506103
	1.5 m	EPIC MC04P2LCTBP9-16W15	EPIC MC04P2LCTB16-16W15	EPIC MC04P2LCTPP9-16W15	EPIC MC04P4LCTBP9-16W15	EPIC MC04P4LCTB16-16W15
		7433506088	7433506092	7433506096	7433506100	7433506104
	2.0 m	EPIC MC04P2LCTBP9-16W20	EPIC MC04P2LCTB16-16W20	EPIC MC04P2LCTPP9-16W20	EPIC MC04P4LCTBP9-16W20	EPIC MC04P4LCTB16-16W20
		7433506089	7433506093	7433506097	7433506101	7433506105

Wires' Color Coding

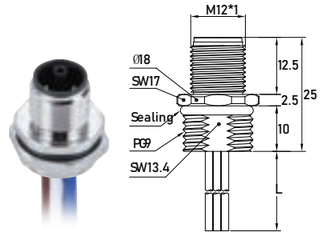
Poles & Wire Color / Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/GN	YE/GN

M12 K-Code male panel connector, Front/ Rear Mount, With Single Wires

Front Fastened

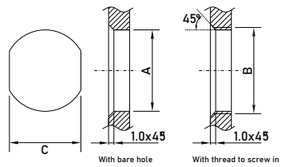


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$



Connector Technical data			
Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended： 0.6 Nm， Max： 1.0 Nm		
Termination	Crimping		
Wire gauge	1.5mm² (16AWG)		
Rated termperature	Flexible : -25 ~ 80 ； Static : -40 ~ 80		
Insulation resistance	＞100MΩ		
Contact resistance	＜5mΩ		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Male: Brass， PE Pin: Phosphor bronze (PE Pin：)		
Contacts plating	Au (Gold)		
O-Ring	FKM/ Silicon		
Protection degree	IP67, IP68, IP69K		
Pollution degree	3		
EMC Shielding	Non-Shielded		

Ordering No.

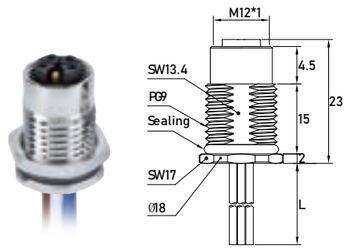
Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		PG9	M16	PG9	M16
2+PE (3Pin)	0.2 m	EPIC MC03P1LCKBP9-16W02	EPIC MC03P1LCKB16-16W02	EPIC MC03P3LCKBP9-16W02	EPIC MC03P3LCKB16-16W02
		7433506106	7433506108	7433506118	7433506120
	0.5 m	EPIC MC03P1LCKBP9-16W05	EPIC MC03P1LCKB16-16W05	EPIC MC03P3LCKBP9-16W05	EPIC MC03P3LCKB16-16W05
		7433506107	7433506109	7433506119	7433506121
3+PE (4Pin)	0.2 m	EPIC MC04P1LCKBP9-16W02	EPIC MC04P1LCKB16-16W02	EPIC MC04P3LCKBP9-16W02	EPIC MC04P3LCKB16-16W02
		7433506110	7433506112	7433506122	7433506124
	0.5 m	EPIC MC04P1LCKBP9-16W05	EPIC MC04P1LCKB16-16W05	EPIC MC04P3LCKBP9-16W05	EPIC MC04P3LCKB16-16W05
		7433506111	7433506113	7433506123	7433506125
4+PE Pin	0.2 m	EPIC MC05P1LCKBP9-16W02	EPIC MC05P1LCKB16-16W02	EPIC MC05P3LCKBP9-16W02	EPIC MC05P3LCKB16-16W02
		7433506114	7433506116	7433506126	7433506128
	0.5 m	EPIC MC05P1LCKBP9-16W05	EPIC MC05P1LCKB16-16W05	EPIC MC05P3LCKBP9-16W05	EPIC MC05P3LCKB16-16W05
		7433506115	7433506117	7433506127	7433506129

Cable's Color Coding & Wiring

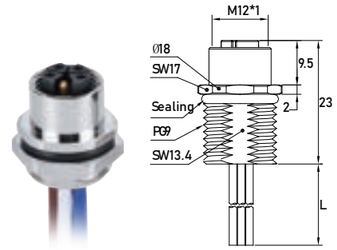
Poles & Wire Color / Pin			
Pin 1		BK1	BK1
Pin 2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3
Pin 4			BK4
PE/ Pin 5	YE/GN	YE/GN	YE/GN

M12 K-Code female panel connector, Front/ Rear Mount, With Single Wires

Front Fastened

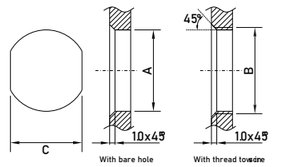


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$



Connector Technical data			
Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended： 0.6 Nm， Max： 1.0 Nm		
Termination	Crimping		
Wire gauge	1.5mm² (16AWG)		
Rated termperature	Flexible : -25 ~ 80 ； Static : -40 ~ 80		
Insulation resistance	＞100MΩ		
Contact resistance	＜5mΩ		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Female: Phosphor bronze， PE Pin: Brass (PE Pin：)		
Contacts plating	Au (Gold)		
O-Ring	FKM/ Silicon		
Protection degree	IP67, IP68, IP69K		
Pollution degree	3		
EMC Shielding	Non-Shielded		

Ordering No.

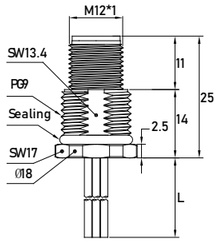
Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		PG9	M16	PG9	M16
2+PE (3Pin)	0.2 m	EPIC MC03P2LCKBP9-16W02	EPIC MC03P2LCKB16-16W02	EPIC MC03P4LCKBP9-16W02	EPIC MC03P4LCKB16-16W02
		7433506130	7433506132	7433506142	7433506144
	0.5 m	EPIC MC03P2LCKBP9-16W05	EPIC MC03P2LCKB16-16W05	EPIC MC03P4LCKBP9-16W05	EPIC MC03P4LCKB16-16W05
		7433506131	7433506133	7433506143	7433506145
3+PE (4Pin)	0.2 m	EPIC MC04P2LCKBP9-16W02	EPIC MC04P2LCKB16-16W02	EPIC MC04P4LCKBP9-16W02	EPIC MC04P4LCKB16-16W02
		7433506134	7433506136	7433506146	7433506148
	0.5 m	EPIC MC04P2LCKBP9-16W05	EPIC MC04P2LCKB16-16W05	EPIC MC04P4LCKBP9-16W05	EPIC MC04P4LCKB16-16W05
		7433506135	7433506137	7433506147	7433506149
4+PE Pin	0.2 m	EPIC MC05P2LCKBP9-16W02	EPIC MC05P2LCKB16-16W02	EPIC MC05P4LCKBP9-16W02	EPIC MC05P4LCKB16-16W02
		7433506138	7433506140	7433506150	7433506152
	0.5 m	EPIC MC05P2LCKBP9-16W05	EPIC MC05P2LCKB16-16W05	EPIC MC05P4LCKBP9-16W05	EPIC MC05P4LCKB16-16W05
		7433506139	7433506141	7433506151	7433506153

Cable's Color Coding & Wiring

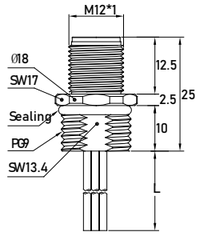
Poles & Wire Color / Pin			
Pin 1		BK1	BK1
Pin 2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3
Pin 4			BK4
PE/ Pin 5	YE/GN	YE/GN	YE/GN

M12 L-Code male panel connector, Front/ Rear Mount, With Single Wires

Front Fastened

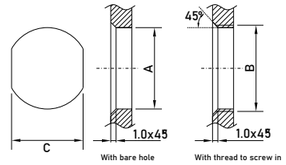


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{0.1}_{0}$	$13.6^{+0.1}_{0}$



Connector Technical data

Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended： 0.6 Nm, Max： 1.0 Nm				
Termination	Crimping				
Wire gauge	1.5mm² (16AWG)				
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Male: Brass, PE Pin: Phosphor bronze（PE Pin：）				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.

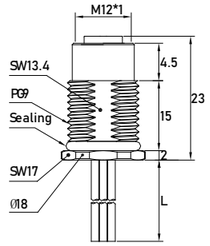
Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		PG9	M16	PG9	M16
2+PE (3Pin)	0.2 m	EPIC MC2EP1LCLBP9-16W02	EPIC MC2EP1LCLB16-16W02	EPIC MC2EP3LCLBP9-16W02	EPIC MC2EP3LCLB16-16W02
		7433506154	7433506156	7433506174	7433506176
	0.5 m	EPIC MC2EP1LCLBP9-16W05	EPIC MC2EP1LCLB16-16W05	EPIC MC2EP3LCLBP9-16W05	EPIC MC2EP3LCLB16-16W05
		7433506155	7433506157	7433506175	7433506177
3Pin	0.2 m	EPIC MC03P1LCLBP9-16W02	EPIC MC03P1LCLB16-16W02	EPIC MC03P3LCLBP9-16W02	EPIC MC03P3LCLB16-16W02
		7433506158	7433506160	7433506178	7433506180
	0.5 m	EPIC MC03P1LCLBP9-16W05	EPIC MC03P1LCLB16-16W05	EPIC MC03P3LCLBP9-16W05	EPIC MC03P3LCLB16-16W05
		7433506159	7433506161	7433506179	7433506181
3+PE (4Pin)	0.2 m	EPIC MC3EP1LCLBP9-16W02	EPIC MC3EP1LCLB16-16W02	EPIC MC3EP3LCLBP9-16W02	EPIC MC3EP3LCLB16-16W02
		7433506162	7433506164	7433506182	7433506184
	0.5 m	EPIC MC3EP1LCLBP9-16W05	EPIC MC3EP1LCLB16-16W05	EPIC MC3EP3LCLBP9-16W05	EPIC MC3EP3LCLB16-16W05
		7433506163	7433506165	7433506183	7433506185
4Pin	0.2 m	EPIC MC04P1LCLBP9-16W02	EPIC MC04P1LCLB16-16W02	EPIC MC04P3LCLBP9-16W02	EPIC MC04P3LCLB16-16W02
		7433506166	7433506168	7433506186	7433506188
	0.5 m	EPIC MC04P1LCLBP9-16W05	EPIC MC04P1LCLB16-16W05	EPIC MC04P3LCLBP9-16W05	EPIC MC04P3LCLB16-16W05
		7433506167	7433506169	7433506187	7433506189
4+PE (5Pin)	0.2 m	EPIC MC4EP1LCLBP9-16W02	EPIC MC4EP1LCLB16-16W02	EPIC MC4EP3LCLBP9-16W02	EPIC MC4EP3LCLB16-16W02
		7433506170	7433506172	7433506190	7433506192
	0.5 m	EPIC MC4EP1LCLBP9-16W05	EPIC MC4EP1LCLB16-16W05	EPIC MC4EP3LCLBP9-16W05	EPIC MC4EP3LCLB16-16W05
		7433506171	7433506173	7433506191	7433506193

Cable's Color Coding & Wiring

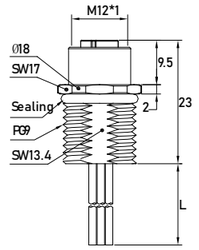
Poles & Wire Color / Pin					
Pin 1		BK1	BK1	BK1	BK1
Pin 2	BK2	BK2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3	BK3	BK3
Pin 4				BK4	BK4
PE/ Pin 5	YE/GN		YE/GN		YE/GN

M12 L-Code female panel connector, Front/ Rear Mount, With Single Wires

Front Fastened

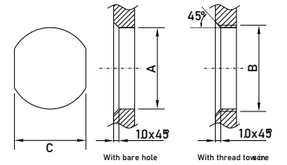


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{0.1}_{0}$	$13.6^{+0.1}_{0}$



Connector Technical data

Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended： 0.6 Nm, Max： 1.0 Nm				
Termination	Crimping				
Wire gauge	1.5mm² (16AWG)				
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Female: Phosphor bronze, PE Pin: Brass（PE Pin：）				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.

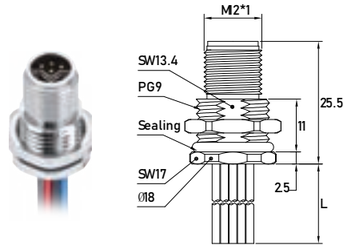
Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		PG9	M16	PG9	M16
2+PE (3Pin)	0.2 m	EPIC MC2EP2LCLBP9-16W02	EPIC MC2EP2LCLB16-16W02	EPIC MC2EP4LCLBP9-16W02	EPIC MC2EP4LCLB16-16W02
		7433506194	7433506196	7433506214	7433506216
	0.5 m	EPIC MC2EP2LCLBP9-16W05	EPIC MC2EP2LCLB16-16W05	EPIC MC2EP4LCLBP9-16W05	EPIC MC2EP4LCLB16-16W05
		7433506195	7433506197	7433506215	7433506217
3Pin	0.2 m	EPIC MC03P2LCLBP9-16W02	EPIC MC03P2LCLB16-16W02	EPIC MC03P4LCLBP9-16W02	EPIC MC03P4LCLB16-16W02
		7433506198	7433506200	7433506218	7433506220
	0.5 m	EPIC MC03P2LCLBP9-16W05	EPIC MC03P2LCLB16-16W05	EPIC MC03P4LCLBP9-16W05	EPIC MC03P4LCLB16-16W05
		7433506199	7433506201	7433506219	7433506221
3+PE (4Pin)	0.2 m	EPIC MC3EP2LCLBP9-16W02	EPIC MC3EP2LCLB16-16W02	EPIC MC3EP4LCLBP9-16W02	EPIC MC3EP4LCLB16-16W02
		7433506202	7433506204	7433506222	7433506224
	0.5 m	EPIC MC3EP2LCLBP9-16W05	EPIC MC3EP2LCLB16-16W05	EPIC MC3EP4LCLBP9-16W05	EPIC MC3EP4LCLB16-16W05
		7433506203	7433506205	7433506223	7433506225
4Pin	0.2 m	EPIC MC04P2LCLBP9-16W02	EPIC MC04P2LCLB16-16W02	EPIC MC04P4LCLBP9-16W02	EPIC MC04P4LCLB16-16W02
		7433506206	7433506208	7433506226	7433506228
	0.5 m	EPIC MC04P2LCLBP9-16W05	EPIC MC04P2LCLB16-16W05	EPIC MC04P4LCLBP9-16W05	EPIC MC04P4LCLB16-16W05
		7433506207	7433506209	7433506227	7433506229
4+PE (5Pin)	0.2 m	EPIC MC4EP2LCLBP9-16W02	EPIC MC4EP2LCLB16-16W02	EPIC MC4EP4LCLBP9-16W02	EPIC MC4EP4LCLB16-16W02
		7433506210	7433506212	7433506230	7433506232
	0.5 m	EPIC MC4EP2LCLBP9-16W05	EPIC MC4EP2LCLB16-16W05	EPIC MC4EP4LCLBP9-16W05	EPIC MC4EP4LCLB16-16W05
		7433506211	7433506213	7433506231	7433506233

Cable's Color Coding & Wiring

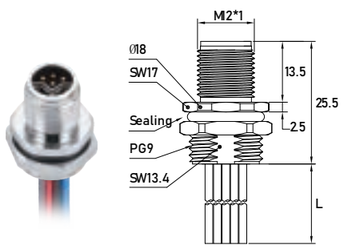
Poles & Wire Color / Pin					
Pin 1		BK1	BK1	BK1	BK1
Pin 2	BK2	BK2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3	BK3	BK3
Pin 4				BK4	BK4
PE/ Pin 5	YE/GN		YE/GN		YE/GN

M12 Y-Code male panel connector, Front/ Rear Mount, With Single Wires

Front Fastened

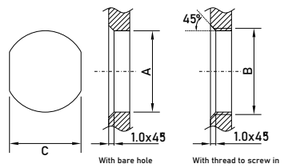


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



With bare hole　　With thread to screw in

Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal: 0.5A	Power: 6A Signal: 0.5A
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.6 Nm, Max : 1.0 Nm	
Termination	Crimping	
Wire gauge	0.14mm² (22AWG)+1.5mm² (16AWG)	0.14mm² (22AWG)+0.5mm² (20AWG)
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Bras (s)	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	

Ordering No.

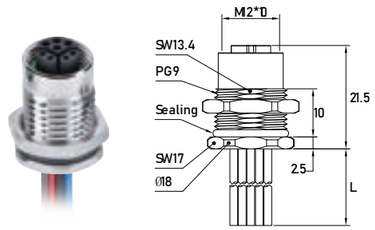
Poles	Cable length	PG9	M16*1.5
Y3 (4+2Pin)	0.2 m	EPIC MC06P1LCY3BP9-16W02	EPIC MC06P1LCY3B16-16W02
		7433506234	7433506236
	0.5 m	EPIC MC06P1LCY3BP9-16W05	EPIC MC06P1LCY3B16-16W05
		7433506235	7433506237
Y4 (4+4Pin)	0.2 m	EPIC MC08P1LCY4BP9-20W02	EPIC MC08P1LCY4B16-20W02
		7433506238	7433506240
	0.5 m	EPIC MC08P1LCY4BP9-20W05	EPIC MC08P1LCY4B16-20W05
		7433506239	7433506241

Cable's Color Coding & Wiring

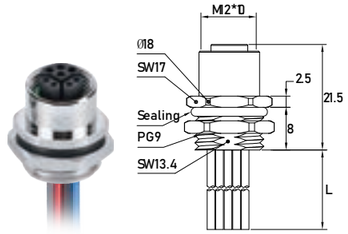
Poles & Wire Color / Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	RD	BN
Pin 6	BK	WH
Pin 7		BU
Pin 8		BK

M12 Y-Code female panel connector, Front/ Rear Mount, With Single Wires

Front Fastened

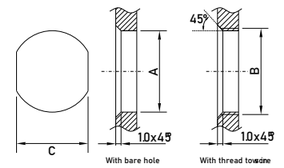


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



With bare hole　　With thread to screw in

Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal: 0.5A	Power: 6A Signal: 0.5A
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.6 Nm, Max : 1.0 Nm	
Termination	Crimping	
Wire gauge	0.14mm² (22AWG)+1.5mm² (16AWG)	0.14mm² (22AWG)+0.5mm² (20AWG)
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphor bronze ()	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	

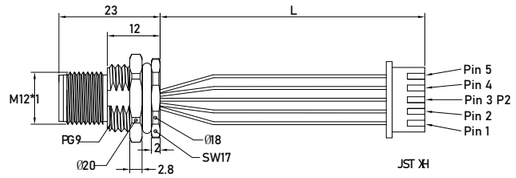
Ordering No.

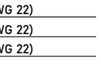
Poles	Cable length	PG9	M16*1.5
Y3 (4+2Pin)	0.2 m	EPIC MC06P1LCY3BP9-16W02	EPIC MC06P1LCY3B16-16W02
		7433506242	7433506244
	0.5 m	EPIC MC06P1LCY3BP9-16W05	EPIC MC06P1LCY3B16-16W05
		7433506243	7433506245
Y4 (4+4Pin)	0.2 m	EPIC MC08P1LCY4BP9-20W02	EPIC MC08P1LCY4B16-20W02
		7433506246	7433506248
	0.5 m	EPIC MC08P1LCY4BP9-20W05	EPIC MC08P1LCY4B16-20W05
		7433506247	7433506249

Wires' Color Coding

Poles & Wire Color / Pin		
Pin 1	GY	GY
Pin 2	OR	OR
Pin 3	PK	PK
Pin 4	GN	GN
Pin 5	RD	BN
	BK	WH
		BU
		BK

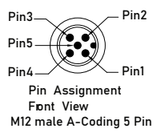
M12 A-Code male panel connector, front side fastening, end with JST XH board connectors



Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			2A
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm			
Termination	Soldering			
Wire gauge	0.34mm² (AWG 22)			
Rated temperature	–25 °C ... +80 °C			
Insulation resistance	⩾100MΩ			
Contact resistance	⩽5mΩ			
Contact carrier	PA66 + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon IP67, IP68			
Protection degree	IP67,IP68			
Pollution degree	3			

Ordering No.					
Poles	Wire length	PG9 Chassis side thread	M16x1.5 Chassis side thread	M20x1.5 Chassis side thread	1/2"-14NPT Chassis side thread
3 Pin	0.1 m	EPIC MC03P1LSABP9-22W01-JST XH 7433506250	EPIC MC03P1LSAB16-22W01-JST XH 7433506252	EPIC MC03P1LSAB20-22W01-JST XH 7433506254	EPIC MC03P1LSAB14N-22W01-JST XH 7433506256
	0.2 m	EPIC MC03P1LSABP9-22W02-JST XH 7433506251	EPIC MC03P1LSAB16-22W02-JST XH 7433506253	EPIC MC03P1LSAB20-22W02-JST XH 7433506255	EPIC MC03P1LSAB14N-22W02-JST XH 7433506257
4 Pin	0.1 m	EPIC MC04P1LSABP9-22W01-JST XH 7433506258	EPIC MC04P1LSAB16-22W01-JST XH 7433506260	EPIC MC04P1LSAB20-22W01-JST XH 7433506262	EPIC MC04P1LSAB14N-22W01-JST XH 7433506264
	0.2 m	EPIC MC04P1LSABP9-22W02-JST XH 7433506259	EPIC MC04P1LSAB16-22W02-JST XH 7433506261	EPIC MC04P1LSAB20-22W02-JST XH 7433506263	EPIC MC04P1LSAB14N-22W02-JST XH 7433506265
5 Pin	0.1 m	EPIC MC05P1LSABP9-22W01-JST XH 7433506266	EPIC MC05P1LSAB16-22W01-JST XH 7433506268	EPIC MC05P1LSAB20-22W01-JST XH 7433506270	EPIC MC05P1LSAB14N-22W01-JST XH 7433506272
	0.2 m	EPIC MC05P1LSABP9-22W02-JST XH 7433506267	EPIC MC05P1LSAB16-22W02-JST XH 7433506269	EPIC MC05P1LSAB20-22W02-JST XH 7433506271	EPIC MC05P1LSAB14N-22W02-JST XH 7433506273
8 Pin	0.1 m	EPIC MC08P1LSABP9-24W01-JST XH 7433506274	EPIC MC08P1LSAB16-24W01-JST XH 7433506276	EPIC MC08P1LSAB20-24W01-JST XH 7433506278	EPIC MC08P1LSAB14N-24W01-JST XH 7433506280
	0.2 m	EPIC MC08P1LSABP9-24W02-JST XH 7433506275	EPIC MC08P1LSAB16-24W02-JST XH 7433506277	EPIC MC08P1LSAB20-24W02-JST XH 7433506279	EPIC MC08P1LSAB14N-24W02-JST XH 7433506281

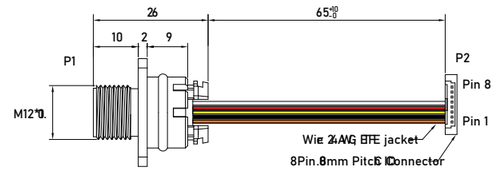
Wiring Diagram



Pin Assignment
Front View
M12 male A-Coding 5 Pin

P1 (M12)	Wire List		P2 (JST XH)
Pin 1	White	(AWG 22)	Pin 1
Pin 2	Red	(AWG 22)	Pin 2
Pin 3	Yellow	(AWG 22)	Pin 3
Pin 4	Blue	(AWG 22)	Pin 4
Pin 5	Green	(AWG 22)	Pin 5

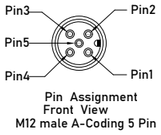
M12 A-Code male square flange type panel connector, customized solution, end with IDC connectors



Connector Technical data			
Contacts No.	3Pin	4Pin	5Pin
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	4A		
Rated voltage	250V		
Impulse voltage	2500V		
Locking system	M12 x 1.0 screw		
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm		
Termination	Soldering		
Wire gauge	0.25mm² (AWG 24)		
Rated temperature	– 40 °C ... + 105 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Contact carrier	PA66 + GF		
Screw nut	Brass, CNC, Nickel-plated		
Contact	Brass		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon		
Protection degree	IP67, IP68		
Pollution degree	3		

Ordering No.			
Poles	Wire length	male square flange type panel	
3 Pin	0.1 m	EPIC MC03P1LSABF-24W01-IDC	7433506282
	0.2 m	EPIC MC03P1LSABF-24W02-IDC	7433506283
4 Pin	0.1 m	EPIC MC04P1LSABF-24W01-IDC	7433506284
	0.2 m	EPIC MC04P1LSABF-24W02-IDC	7433506285
5 Pin	0.1 m	EPIC MC05P1LSABF-24W01-IDC	7433506286
	0.2 m	EPIC MC05P1LSABF-24W02-IDC	7433506287

Wiring Diagram

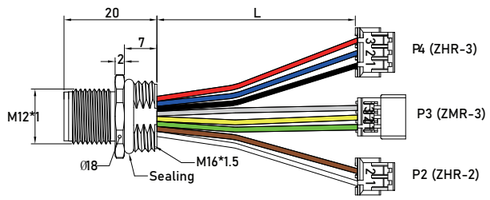


Pin Assignment
Front View
M12 male A-Coding 5 Pin

Wire List

P1 (M12)			P2 (IDC)
Pin 1	White	(AWG 24)	Pin 5
Pin 2	Orange	(AWG 24)	Pin 1
Pin 3	Green	(AWG 24)	Pin 2
Pin 4	Yellow	(AWG 24)	Pin 3
Pin 5	Red	(AWG 24)	Pin 4

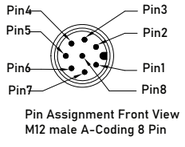
M12 A-Code 8Pin male panel connector, rear side fastening, end with JST ZHR board connectors



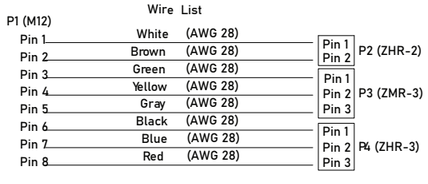
Connector Technical data

Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	2A
Rated voltage	30V
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	Soldering
Wire gauge	0.14mm² (AWG 26)
Rated temperature	–25 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

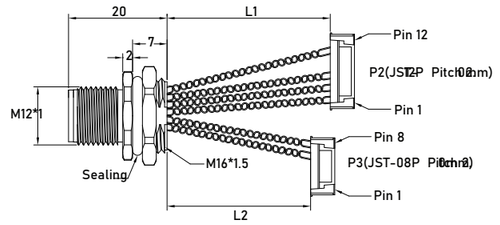
Wiring Diagram



Pin Assignment Front View
M12 male A-Coding 8 Pin



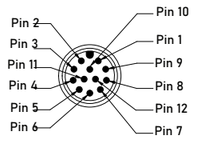
M12 A-Code 12Pin male panel connector, rear side fastening, end with JST 2.0 board connectors



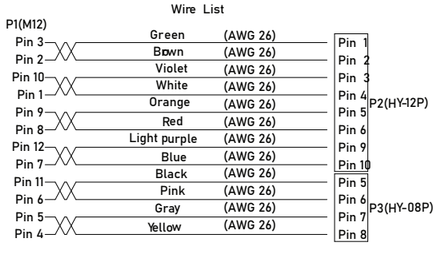
Connector Technical data

Contacts No.	12Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	1.5A
Rated voltage	30V
Impulse voltage	500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	Soldering
Wire gauge	0.14mm² (AWG 26)
Rated temperature	–25 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

Wiring Diagram

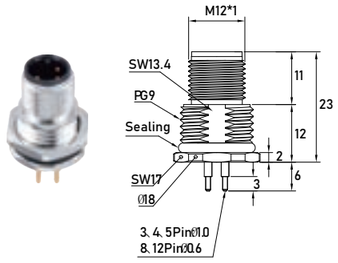


Pin Assignment
Front View
M12 male A-Coding 12 Pin

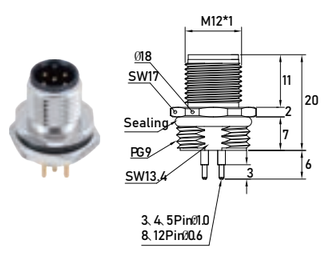


M12 A-Code male panel connector, front/ rear side fastening, PCB Contacts

Front Fastened

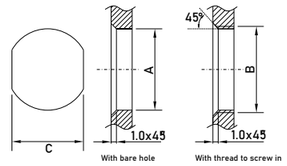


Rear Fastened



Recommended Panel Cut

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{0.1}_{0}$	$13.6^{+0.1}_{0}$	N/A	N/A



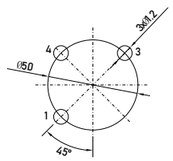
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A			2A	1.5A	
Rated voltage	250V		60V	30V		
Impulse voltage	2500V		1500V	800V	500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Reco mmend: 0.6Nm, Max: 1.0Nm					
Termination	PCB Dip S o ldering					
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

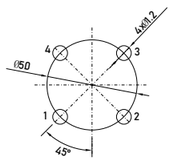
Ordering No.

Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	EPIC MC03P1LPABP9	EPIC MC03P1LPAB16	EPIC MC03P1LPAB20	EPIC MC03P1LPAB14N	EPIC MC03P3LPABP9	EPIC MC03P3LPAB16	EPIC MC03P3LPAB20	EPIC MC03P3LPAB14N
	7433506288	7433506289	7433506290	7433506291	7433506292	7433506293	7433506294	7433506295
4 Pin	EPIC MC04P1LPABP9	EPIC MC04P1LPAB16	EPIC MC04P1LPAB20	EPIC MC04P1LPAB14N	EPIC MC04P3LPABP9	EPIC MC04P3LPAB16	EPIC MC04P3LPAB20	EPIC MC04P3LPAB14N
	7433506296	7433506297	7433506298	7433506299	7433506300	7433506301	7433506302	7433506303
5 Pin	EPIC MC05P1LPABP9	EPIC MC05P1LPAB16	EPIC MC05P1LPAB20	EPIC MC05P1LPAB14N	EPIC MC05P3LPABP9	EPIC MC05P3LPAB16	EPIC MC05P3LPAB20	EPIC MC05P3LPAB14N
	7433506304	7433506305	7433506306	7433506307	7433506308	7433506309	7433506310	7433506311
8 Pin	EPIC MC08P1LPABP9	EPIC MC08P1LPAB16	EPIC MC08P1LPAB20	EPIC MC08P1LPAB14N	EPIC MC08P3LPABP9	EPIC MC08P3LPAB16	EPIC MC08P3LPAB20	EPIC MC08P3LPAB14N
	7433506312	7433506313	7433506314	7433506315	7433506316	7433506317	7433506318	7433506319
12 Pin	EPIC MC12P1LPABP9	EPIC MC12P1LPAB16	EPIC MC12P1LPAB20	EPIC MC12P1LPAB14N	EPIC MC12P3LPABP9	EPIC MC12P3LPAB16	EPIC MC12P3LPAB20	EPIC MC12P3LPAB14N
	7433506320	7433506321	7433506322	7433506323	7433506324	7433506325	7433506326	7433506327
17 Pin	EPIC MC17P1LPABP9	EPIC MC17P1LPAB16	EPIC MC17P1LPAB20	EPIC MC17P1LPAB14N	EPIC MC17P3LPABP9	EPIC MC17P3LPAB16	EPIC MC17P3LPAB20	EPIC MC17P3LPAB14N
	7433506328	7433506329	7433506330	7433506331	7433506332	7433506333	7433506334	7433506335

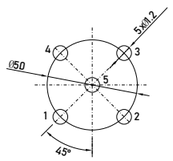
PCB Layout Reference



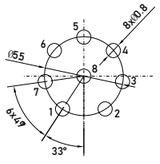
3P(PinØ1.0)



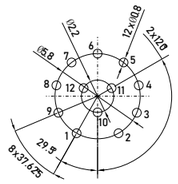
4P(PinØ1.0)



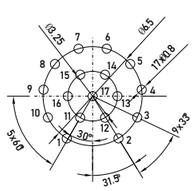
5P(PinØ1.0)



8P(PinØ0.6)



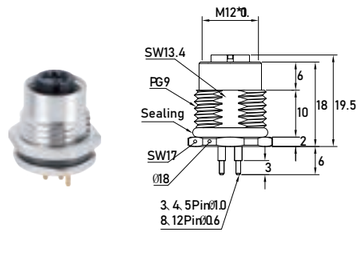
12P(PinØ0.6)



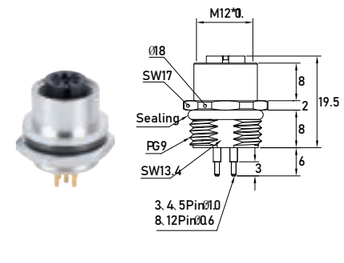
17P(PinØ0.6)

M12 A-Code female panel connector, front/ rear side fastening, PCB Contacts

Front Fastened

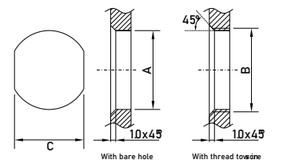


Rear Fastened



Recommended Panel Cut

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{0.1}_{0}$	$13.6^{+0.1}_{0}$	N/A	N/A



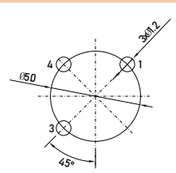
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A			2A	1.5A	
Rated voltage	250V		60V	30V		
Impulse voltage	2500V		1500V	800V	500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm					
Termination	PCB Dip Soldering					
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au (Go ld)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

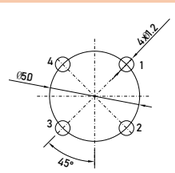
Ordering No.

Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	EPIC MC03P2LPABP9	EPIC MC03P2LPAB16	EPIC MC03P2LPAB20	EPIC MC03P2LPAB14N	EPIC MC03P4LPABP9	EPIC MC03P4LPAB16	EPIC MC03P4LPAB20	EPIC MC03P4LPAB14N
	7433506336	7433506337	7433506338	7433506339	7433506340	7433506341	7433506342	7433506343
4 Pin	EPIC MC04P2LPABP9	EPIC MC04P2LPAB16	EPIC MC04P2LPAB20	EPIC MC04P2LPAB14N	EPIC MC04P4LPABP9	EPIC MC04P4LPAB16	EPIC MC04P4LPAB20	EPIC MC04P4LPAB14N
	7433506344	7433506345	7433506346	7433506347	7433506348	7433506349	7433506350	7433506351
5 Pin	EPIC MC05P2LPABP9	EPIC MC05P2LPAB16	EPIC MC05P2LPAB20	EPIC MC05P2LPAB14N	EPIC MC05P4LPABP9	EPIC MC05P4LPAB16	EPIC MC05P4LPAB20	EPIC MC05P4LPAB14N
	7433506352	7433506353	7433506354	7433506355	7433506356	7433506357	7433506358	7433506359
8 Pin	EPIC MC08P2LPABP9	EPIC MC08P2LPAB16	EPIC MC08P2LPAB20	EPIC MC08P2LPAB14N	EPIC MC08P4LPABP9	EPIC MC08P4LPAB16	EPIC MC08P4LPAB20	EPIC MC08P4LPAB14N
	7433506360	7433506361	7433506362	7433506363	7433506364	7433506365	7433506366	7433506367
12 Pin	EPIC MC12P2LPABP9	EPIC MC12P2LPAB16	EPIC MC12P2LPAB20	EPIC MC12P2LPAB14N	EPIC MC12P4LPABP9	EPIC MC12P4LPAB16	EPIC MC12P4LPAB20	EPIC MC12P4LPAB14N
	7433506368	7433506369	7433506370	7433506371	7433506372	7433506373	7433506374	7433506375
17 Pin	EPIC MC17P2LPABP9	EPIC MC17P2LPAB16	EPIC MC17P2LPAB20	EPIC MC17P2LPAB14N	EPIC MC17P4LPABP9	EPIC MC17P4LPAB16	EPIC MC17P4LPAB20	EPIC MC17P4LPAB14N
	7433506376	7433506377	7433506378	7433506379	7433506380	7433506381	7433506382	7433506383

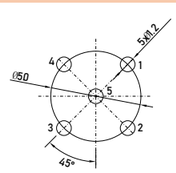
PCB Layout Reference



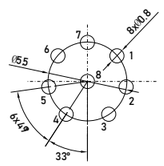
3P(PinØ1.0)



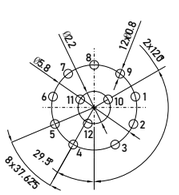
4P(PinØ1.0)



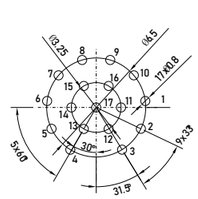
5P(PinØ1.0)



8P(PinØ0.6)



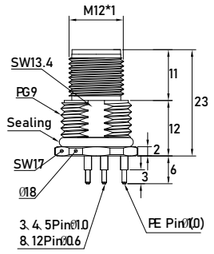
12P(PinØ0.6)



17P(PinØ0.6)

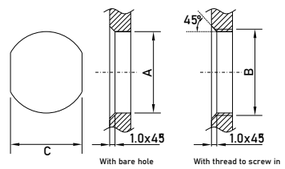
M12 A-Code male panel connector, front side fastening, with PCB Contacts, with ground pin

Front Fastened



Recommended Panel Cut

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$	N/A	N/A



With bare hole　　With thread to screw in

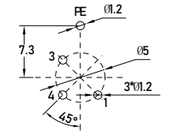
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A			2A	1.5A	
Rated voltage	250V		60V	30V		
Impulse voltage	2500V		1500V	800V	500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm					
Termination	Soldering					
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Phosphorbronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

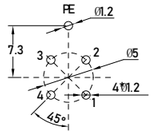
Ordering No.

Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	EPIC MC03P1LPABP9	EPIC MC03P1LPAB16	EPIC MC03P1LPAB20	EPIC MC03P1LPAB14N	EPIC MC03P3LPABP9	EPIC MC03P3LPAB16	EPIC MC03P3LPAB20	EPIC MC03P3LPAB14N
	7433506288	7433506289	7433506290	7433506291	7433506292	7433506293	7433506294	7433506295
4 Pin	EPIC MC04P1LPABP9	EPIC MC04P1LPAB16	EPIC MC04P1LPAB20	EPIC MC04P1LPAB14N	EPIC MC04P3LPABP9	EPIC MC04P3LPAB16	EPIC MC04P3LPAB20	EPIC MC04P3LPAB14N
	7433506296	7433506297	7433506298	7433506299	7433506300	7433506301	7433506302	7433506303
5 Pin	EPIC MC05P1LPABP9	EPIC MC05P1LPAB16	EPIC MC05P1LPAB20	EPIC MC05P1LPAB14N	EPIC MC05P3LPABP9	EPIC MC05P3LPAB16	EPIC MC05P3LPAB20	EPIC MC05P3LPAB14N
	7433506304	7433506305	7433506306	7433506307	7433506308	7433506309	7433506310	7433506311
8 Pin	EPIC MC08P1LPABP9	EPIC MC08P1LPAB16	EPIC MC08P1LPAB20	EPIC MC08P1LPAB14N	EPIC MC08P3LPABP9	EPIC MC08P3LPAB16	EPIC MC08P3LPAB20	EPIC MC08P3LPAB14N
	7433506312	7433506313	7433506314	7433506315	7433506316	7433506317	7433506318	7433506319
12 Pin	EPIC MC12P1LPABP9	EPIC MC12P1LPAB16	EPIC MC12P1LPAB20	EPIC MC12P1LPAB14N	EPIC MC12P3LPABP9	EPIC MC12P3LPAB16	EPIC MC12P3LPAB20	EPIC MC12P3LPAB14N
	7433506320	7433506321	7433506322	7433506323	7433506324	7433506325	7433506326	7433506327
17 Pin	EPIC MC17P1LPABP9	EPIC MC17P1LPAB16	EPIC MC17P1LPAB20	EPIC MC17P1LPAB14N	EPIC MC17P3LPABP9	EPIC MC17P3LPAB16	EPIC MC17P3LPAB20	EPIC MC17P3LPAB14N
	7433506328	7433506329	7433506330	7433506331	7433506332	7433506333	7433506334	7433506335

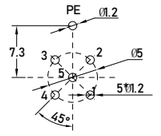
PCB Layout Reference



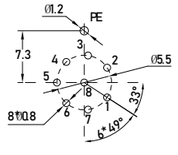
PCB layout (advice)
M12 male 3 Pin



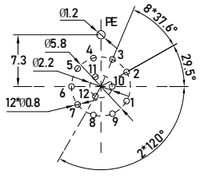
PCB layout (advice)
M12 male 4 Pin



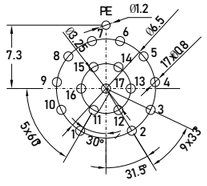
PCB layout (advice)
M12 male 5 Pin



PCB layout (advice)
M12 male 8 Pin



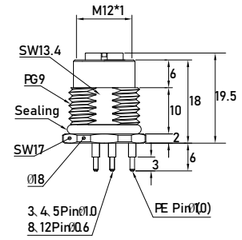
PCB layout (advice)
M12 male 12 Pin



PCB layout (advice)
M12 male 17 Pin

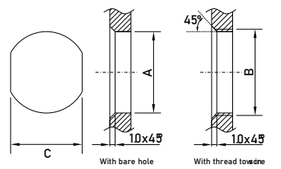
M12 A-Code female panel connector, front side fastening, with PCB Contacts, with ground pin

Front Fastened



Recommended Panel Cut

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$	N/A	N/A



With bare hole　　With thread to screw in

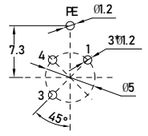
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A			2A	1.5A	
Rated voltage	250V		60V	30V		
Impulse voltage	2500V		1500V	800V	500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm					
Termination	Soldering					
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Phosphorbronze					
Contacts plating	Au (Go ld)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

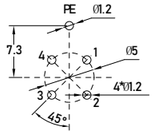
Ordering No.

Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	EPIC MC03P2LPABP9	EPIC MC03P2LPAB16	EPIC MC03P2LPAB20	EPIC MC03P2LPAB14N	EPIC MC03P4LPABP9	EPIC MC03P4LPAB16	EPIC MC03P4LPAB20	EPIC MC03P4LPAB14N
	7433506432	7433506433	7433506434	7433506435	7433506436	7433506437	7433506438	7433506439
4 Pin	EPIC MC04P2LPABP9	EPIC MC04P2LPAB16	EPIC MC04P2LPAB20	EPIC MC04P2LPAB14N	EPIC MC04P4LPABP9	EPIC MC04P4LPAB16	EPIC MC04P4LPAB20	EPIC MC04P4LPAB14N
	7433506440	7433506441	7433506442	7433506443	7433506444	7433506445	7433506446	7433506447
5 Pin	EPIC MC05P2LPABP9	EPIC MC05P2LPAB16	EPIC MC05P2LPAB20	EPIC MC05P2LPAB14N	EPIC MC05P4LPABP9	EPIC MC05P4LPAB16	EPIC MC05P4LPAB20	EPIC MC05P4LPAB14N
	7433506448	7433506449	7433506450	7433506451	7433506452	7433506453	7433506454	7433506455
8 Pin	EPIC MC08P2LPABP9	EPIC MC08P2LPAB16	EPIC MC08P2LPAB20	EPIC MC08P2LPAB14N	EPIC MC08P4LPABP9	EPIC MC08P4LPAB16	EPIC MC08P4LPAB20	EPIC MC08P4LPAB14N
	7433506456	7433506457	7433506458	7433506459	7433506460	7433506461	7433506462	7433506463
12 Pin	EPIC MC12P2LPABP9	EPIC MC12P2LPAB16	EPIC MC12P2LPAB20	EPIC MC12P2LPAB14N	EPIC MC12P4LPABP9	EPIC MC12P4LPAB16	EPIC MC12P4LPAB20	EPIC MC12P4LPAB14N
	7433506464	7433506465	7433506466	7433506467	7433506468	7433506469	7433506470	7433506471
17 Pin	EPIC MC17P2LPABP9	EPIC MC17P2LPAB16	EPIC MC17P2LPAB20	EPIC MC17P2LPAB14N	EPIC MC17P4LPABP9	EPIC MC17P4LPAB16	EPIC MC17P4LPAB20	EPIC MC17P4LPAB14N
	7433506472	7433506473	7433506474	7433506475	7433506476	7433506477	7433506478	7433506479

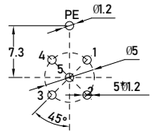
PCB Layout Reference



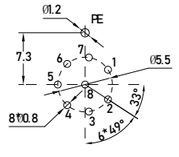
PCB layout (advice)
M12 female 3 Pin



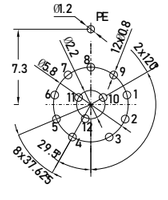
PCB layout (advice)
M12 female 4 Pin



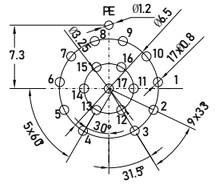
PCB layout (advice)
M12 female 5 Pin



PCB layout (advice)
M12 female 8 Pin



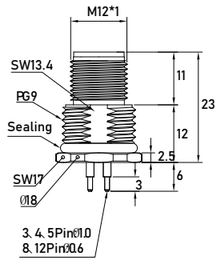
PCB layout (advice)
M12 female 12 Pin



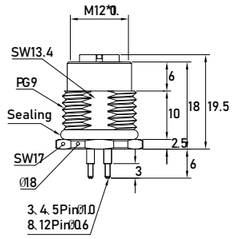
PCB layout (advice)
M12 female 17 Pin

M12 A-Code Panel connector, front side fastening, PCB Contacts, Plastic Screw

Male

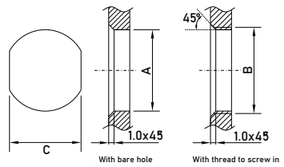


Female

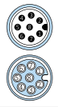
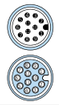


Recommended Panel Cut

Chassis side	PG9
A	$15.3^{+0.1}_{0}$
B	PG9
C	$13.5^{+0.1}_{0}$



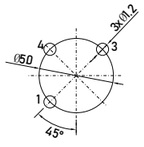
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm				
Termination	PCBDip Soldering				
Rated temperature	–25 °C … +80 °C; – 40 °C … +105 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contact	Brass / Phosphorbronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon				
Protection degree	IP67, IP68				
Pollution degree	3				

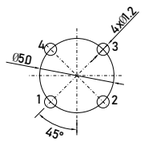
Ordering No.

Poles	Male		Female	
3 Pin	EPIC MC03P1LPAPP9	7433506480	EPIC MC03P2LPAPP9	7433506485
4 Pin	EPIC MC04P1LPAPP9	7433506481	EPIC MC04P2LPAPP9	7433506486
5 Pin	EPIC MC05P1LPAPP9	7433506482	EPIC MC05P2LPAPP9	7433506487
8 Pin	EPIC MC08P1LPAPP9	7433506483	EPIC MC08P2LPAPP9	7433506488
12 Pin	EPIC MC12P1LPAPP9	7433506484	EPIC MC12P2LPAPP9	7433506489

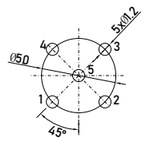
PCB Layout Reference



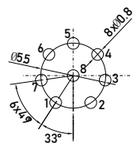
3Pmale (Pin Ø1.0)



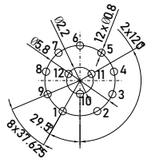
4Pmale (Pin Ø1.0)



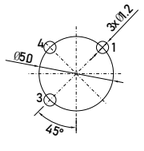
5Pmale (Pin Ø1.0)



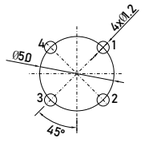
8Pmale (Pin Ø0.6)



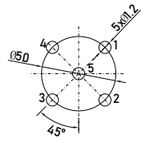
12Pmale (Pin Ø0.6)



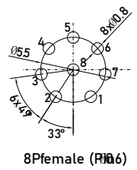
3Pfemale (Pin Ø1.0)



4Pfemale (Pin Ø1.0)



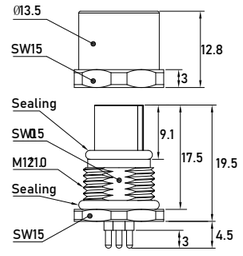
5Pfemale (Pin Ø1.0)

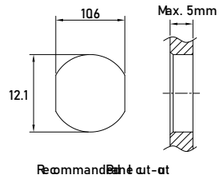


8Pfemale (Pin Ø0.6)

12Pfemale (Pin Ø0.6)

M12 female panel connector, front side fastening, PCB Contacts, M12*1.0





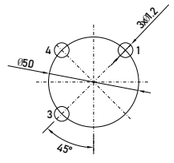
Connector Technical data

Contacts No.	A-Code 3Pin	A-Code 4Pin	D-Code 4Pin	A-Code 5Pin	A-Code 8Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A				2A
Rated voltage	250V			60V	30V
Impulse voltage	2500V			1500V	800V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm				
Termination	PCB Dip Soldering				
Rated temperature	Flexible : -25 ~ 80℃; Static: -40 ~ 80℃				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	PA66 + GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Brass)				
Contacts plating	Au (Go ld)				
O-ring	FKM/ Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				

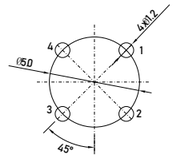
Ordering No.

Poles	Female	
3 Pin - A-code	EPIC MC03P2LPAB-12	7433506490
4 Pin - A-code	EPIC MC04P2LPAB-12	7433506491
4 Pin - D-code	EPIC MC04P2LPDB-12	7433506492
5 Pin - A-code	EPIC MC05P2LPAB-12	7433506493
8 Pin - A-code	EPIC MC08P2LPAB-12	7433506494

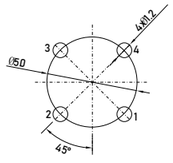
PCB Layout Reference



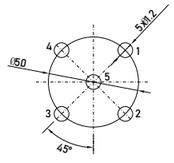
A-code 3P(Pin Ø1.0)



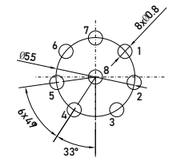
A-code 4P(Pin Ø1.0)



D-code 4P(Pin Ø1.0)



A-code 5P(Pin Ø1.0)

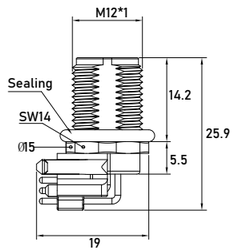


A-code 8P(Pin Ø0.6)

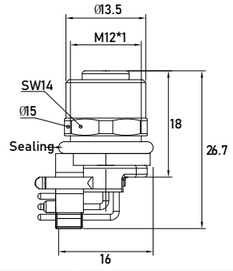
M12 A-Code 90° Panel Connector

M12 A-Code panel connector, front side fastening, PCB Contacts, with 90° PCB contacts

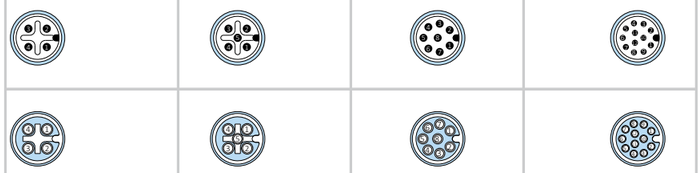
Male



Female



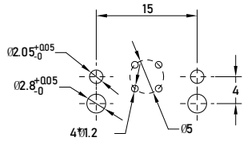
Connector Technical data

Contacts No.	4Pin	5Pin	8Pin	12Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A		2A	1.5A
Rated voltage	250V	60V	30V	30V
Impulse voltage	2500V	2500V	1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm			
Termination	PCB Dip Soldering			
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	PA66 + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			

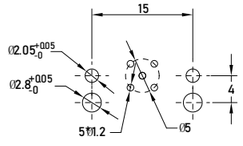
Ordering No.

Poles	Male		Female	
4 Pin	EPIC MC04P1RPAB12	7433506495	EPIC MC04P2RPAB12	7433506499
5 Pin	EPIC MC05P1RPAB12	7433506496	EPIC MC05P2RPAB12	7433506500
8 Pin	EPIC MC08P1RPAB12	7433506497	EPIC MC08P2RPAB12	7433506501
12 Pin	EPIC MC12P1RPAB12	7433506498	EPIC MC12P2RPAB12	7433506502

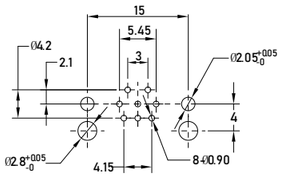
PCB Layout Reference



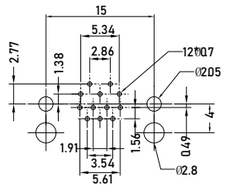
4 Pin



5 Pin



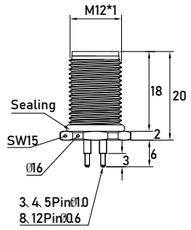
8 Pin

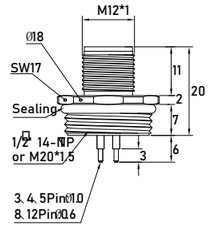


12 Pin

M12 A-Code

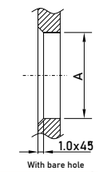
M12 A-Code male panel connector, M12, M20 chassis-side thread, front/ rear mount, PCB Contacts



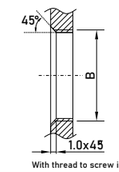


Recommended Panel Cut-out

Chassis side	M12	M20	1/2"14NPP
A	$12.2^{+0.1}_{0}$	$20^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	M12x1.0	M20x1.5	1/2"14NPP

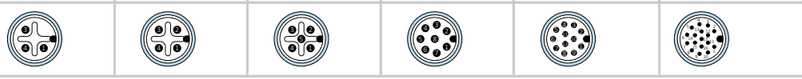


With bare hole



With thread to screw in

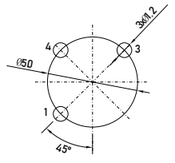
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A			2A	1.5A	
Rated voltage	250V		250V	30V		
Impulse voltage	2500V		1500V	800V	500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend： 0.6Nm, Max ： 1.0Nm					
Termination	PCB Dip Soldering					
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au (Go ld)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

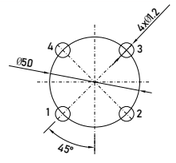
Ordering No.

Poles	M12 Chassis side thread M12		M20 Chassis side thread M20	
3 Pin	EPIC MC03P1LPAB12	7433506503	EPIC MC03P3LPAB20	7433506509
4 Pin	EPIC MC04P1LPAB12	7433506504	EPIC MC04P3LPAB20	7433506510
5 Pin	EPIC MC05P1LPAB12	7433506505	EPIC MC05P3LPAB20	7433506511
8 Pin	EPIC MC08P1LPAB12	7433506506	EPIC MC08P3LPAB20	7433506512
12 Pin	EPIC MC12P1LPAB12	7433506507	EPIC MC12P3LPAB20	7433506513
17 Pin	EPIC MC17P1LPAB12	7433506508	EPIC MC17P3LPAB20	7433506514

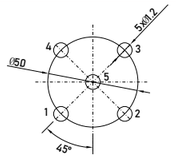
PCB Layout Reference



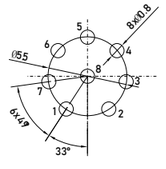
3P(Pin Ø1.0)



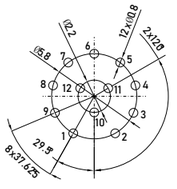
4P(Pin Ø1.0)



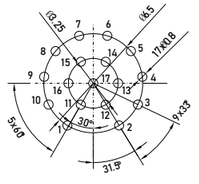
5P(Pin Ø1.0)



8P(Pin Ø0.6)



12P(Pin Ø0.6)

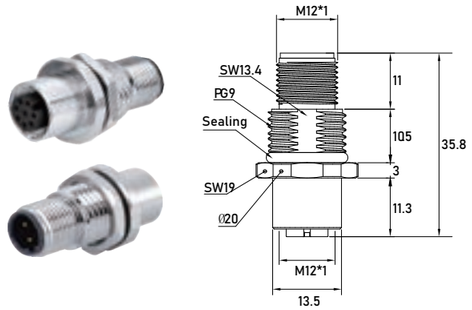


17P(Pin Ø0.6)

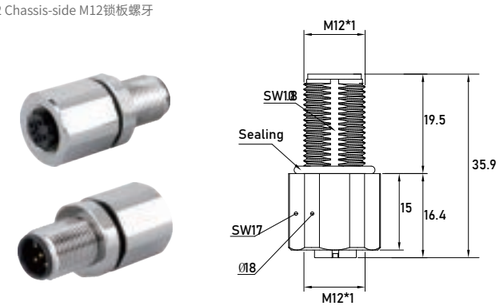
M12 through wall type

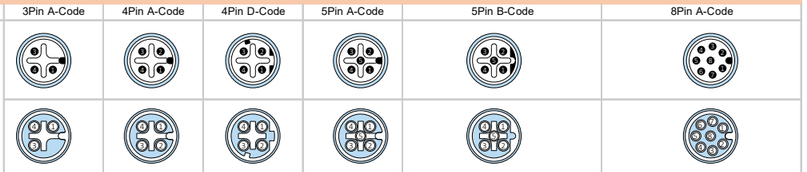
M12 male-female in one through wall type panel connector

PG9 Chassis-side PG9锁板螺牙



M12 Chassis-side M12锁板螺牙

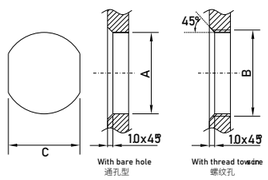


Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A					2A
Rated voltage	250V			60V		30V
Impulse voltage	2500V			1500V		800V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm					
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon					
Protection degree	IP67, IP68					
Pollution degree	3					

Ordering No.

Poles	PG9 Chassis-side			M12x1.0 Chassis-side			M16x1.5 Chassis-side		
	A-Code	B-Code	D-Code	A-Code	B-Code	D-Code	A-Code	B-Code	D-Code
3 Pin	EPIC MC03P7ABP9			EPIC MC03P7AB12			EPIC MC03P7AB16		
	7433506515			7433506516			7433506517		
4 Pin	EPIC MC04P7ABP9		EPIC MC04P7DBP9	EPIC MC04P7AB12		EPIC MC04P7DB12	EPIC MC04P7AB16		EPIC MC04P7DB16
	7433506518		7433506519	7433506520		7433506521	7433506522		7433506523
5 Pin	EPIC MC05P7ABP9	EPIC MC05P7BBP9		EPIC MC05P7AB12	EPIC MC05P7BB12		EPIC MC05P7AB16	EPIC MC05P7BB16	
	7433506524	7433506525		7433506526	7433506527		7433506528	7433506529	
8 Pin	EPIC MC08P7ABP9			EPIC MC08P7AB12			EPIC MC08P7AB16		
	7433506530			7433506531			7433506532		

Recommended Panel Cut-out

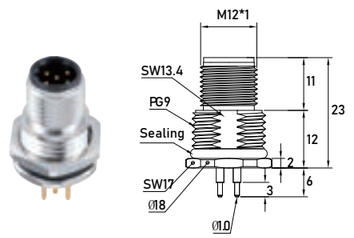


Chassis side	PG9	M12	M16
A	$15.3^{+0.1}_{0}$	$12.1^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M12x1.0	M16x1.5
C	$13.5^{+0.1}_{0}$	N/ A	$13.5^{+0.1}_{0}$

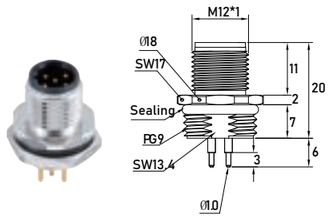
M12 B-Code (Profibus)

M12 B-Code male panel connector, front/ rear side fastening, PCB Contacts

Front Fastened

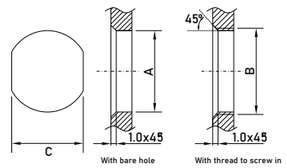


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$	N/ A	N/ A

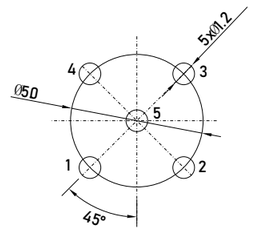


Connector Technical data		
Contacts No.	5Pin	
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	60V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Reco mmend：0.6Nm, Max：1.0Nm	
Termination	PCB Dip S o ldering	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

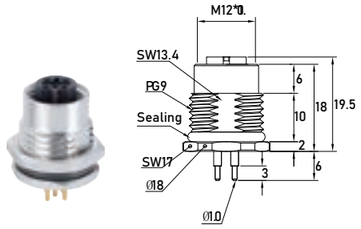
Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
5 Pin	EPIC MC05P1LPBBP9	EPIC MC05P1LPBB16	EPIC MC05P1LPBB20	EPIC MC05P1LPBB14N	EPIC MC05P3LPBBP9	EPIC MC05P3LPBB16	EPIC MC05P3LPBB20	EPIC MC05P3LPBB14N
	7433506533	7433506534	7433506535	7433506536	7433506537	7433506538	7433506539	7433506540

PCB Layout Reference

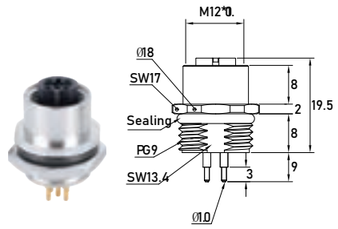


M12 B-Code female panel connector, front/ rear side fastening, PCB Contacts

Front Fastened

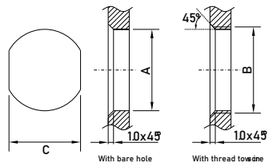


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3$^{0.1}_{0}$	16.1$^{+0.1}_{0}$	20.1$^{+0.1}_{0}$	21.4$^{0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5$^{0.1}_{0}$	13.6$^{+0.1}_{0}$	N/A	N/A

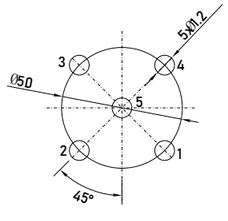


Connector Technical data	
Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max ： 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphorbronze
Contacts plating	Au (Go ld)
O-ring	FKM/Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

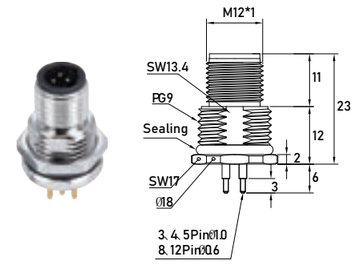
Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
5 Pin	EPIC MC05P2LPBBP9	EPIC MC05P2LPBB16	EPIC MC05P2LPBB20	EPIC MC05P2LPBB14N	EPIC MC05P4LPBBP9	EPIC MC05P4LPBB16	EPIC MC05P4LPBB20	EPIC MC05P4LPBB14N
	7433506541	7433506542	7433506543	7433506544	7433506545	7433506546	7433506547	7433506548

PCB Layout Reference

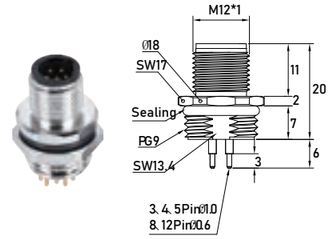


M12 C-Code male panel connector, front/ rear side fastening, PCB Contacts

Front Fastened

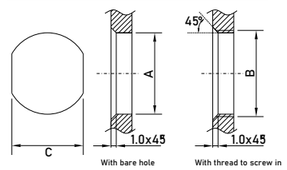


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3$^{0.1}_{0}$	16.1$^{+0.1}_{0}$	20.1$^{+0.1}_{0}$	21.4$^{0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5$^{0.1}_{0}$	13.6$^{+0.1}_{0}$	N/A	N/A

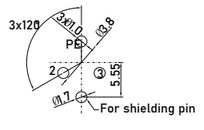


Connector Technical data				
Contacts No.	3 Pin (2+PE)	4 Pin (3+PE)	5 Pin (4+PE)	6 Pin (5+PE)
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A		2A	2A
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend：0.6Nm, Max ： 1.0Nm			
Termination	PCB Dip S o ldering			
Rated temperature	Flexible : -25 ~ 80℃; S tatic: -40 ~ 80℃			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	PA66 + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			

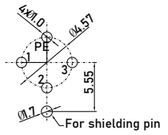
Ordering No.

Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	EPIC MC03P1LPCBP9	EPIC MC03P1LPCB16	EPIC MC03P1LPCB20	EPIC MC03P1LPCB14N	EPIC MC03P3LPCBP9	EPIC MC03P3LPCB16	EPIC MC03P3LPCB20	EPIC MC03P3LPCB14N
	7433506549	7433506550	7433506551	7433506552	7433506565	7433506566	7433506567	7433506568
4 Pin	EPIC MC04P1LPCBP9	EPIC MC04P1LPCB16	EPIC MC04P1LPCB20	EPIC MC04P1LPCB14N	EPIC MC04P3LPCBP9	EPIC MC04P3LPCB16	EPIC MC04P3LPCB20	EPIC MC04P3LPCB14N
	7433506553	7433506554	7433506555	7433506556	7433506569	7433506570	7433506571	7433506572
5 Pin	EPIC MC05P1LPCBP9	EPIC MC05P1LPCB16	EPIC MC05P1LPCB20	EPIC MC05P1LPCB14N	EPIC MC05P3LPCBP9	EPIC MC05P3LPCB16	EPIC MC05P3LPCB20	EPIC MC05P3LPCB14N
	7433506557	7433506558	7433506559	7433506560	7433506573	7433506574	7433506575	7433506576
6 Pin	EPIC MC06P1LPCBP9	EPIC MC06P1LPCB16	EPIC MC06P1LPCB20	EPIC MC06P1LPCB14N	EPIC MC06P3LPCBP9	EPIC MC06P3LPCB16	EPIC MC06P3LPCB20	EPIC MC06P3LPCB14N
	7433506561	7433506562	7433506563	7433506564	7433506577	7433506578	7433506579	7433506580

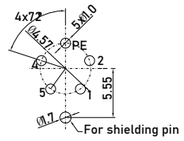
PCB Layout Reference



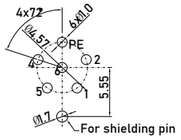
3Pin



4Pin



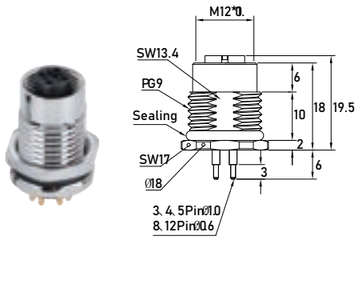
5Pin



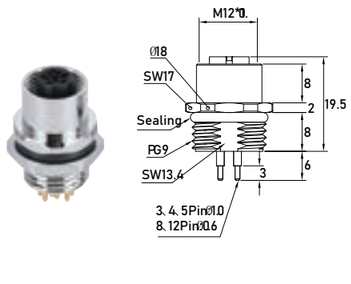
6Pin

M12 C-Code female panel connector, front/ rear side fastening, PCB Contacts

Front Fastened

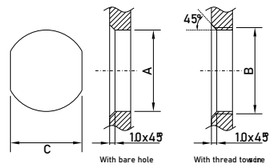


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$	$20.1^{+0.1}_{-0}$	$21.4^{+0.1}_{-0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$	N/A	N/A



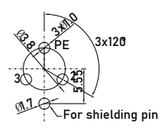
Connector Technical data

Contacts No.	3 Pin (2+PE)	4 Pin (3+PE)	5 Pin (4+PE)	6 Pin (5+PE)
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A		2A	2A
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm			
Termination	Soldering			
Rated temperature	Flexible : -25 ~ 80℃; Static: -40 ~ 80℃			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	PA66 + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Phosphorbronze			
Contacts plating	Au (Gold)			
O-ring	FKM/Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			

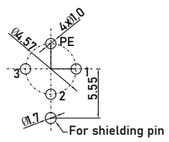
Ordering No.

Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	EPIC MC03P2LPCBP9	EPIC MC03P2LPCB16	EPIC MC03P2LPCB20	EPIC MC03P2LPCB14N	EPIC MC03P4LPCBP9	EPIC MC03P4LPCB16	EPIC MC03P4LPCB20	EPIC MC03P4LPCB14N
	7433506581	7433506582	7433506583	7433506584	7433506597	7433506598	7433506599	7433506600
4 Pin	EPIC MC04P2LPCBP9	EPIC MC04P2LPCB16	EPIC MC04P2LPCB20	EPIC MC04P2LPCB14N	EPIC MC04P4LPCBP9	EPIC MC04P4LPCB16	EPIC MC04P4LPCB20	EPIC MC04P4LPCB14N
	7433506585	7433506586	7433506587	7433506588	7433506601	7433506602	7433506603	7433506604
5 Pin	EPIC MC05P2LPCBP9	EPIC MC05P2LPCB16	EPIC MC05P2LPCB20	EPIC MC05P2LPCB14N	EPIC MC05P4LPCBP9	EPIC MC05P4LPCB16	EPIC MC05P4LPCB20	EPIC MC05P4LPCB14N
	7433506589	7433506590	7433506591	7433506592	7433506605	7433506606	7433506607	7433506608
6 Pin	EPIC MC06P2LPCBP9	EPIC MC06P2LPCB16	EPIC MC06P2LPCB20	EPIC MC06P2LPCB14N	EPIC MC06P4LPCBP9	EPIC MC06P4LPCB16	EPIC MC06P4LPCB20	EPIC MC06P4LPCB14N
	7433506593	7433506594	7433506595	7433506596	7433506609	7433506610	7433506611	7433506612

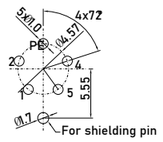
PCB Layout Reference



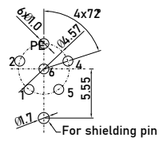
3Pin



4Pin



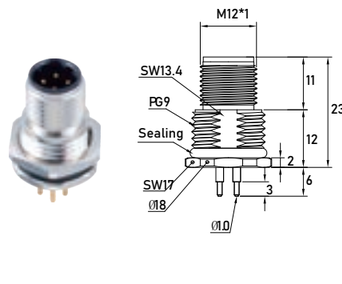
5Pin



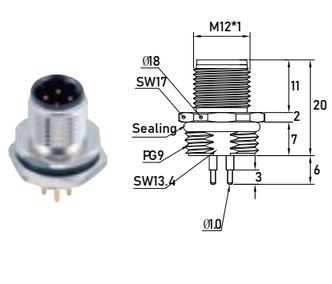
6Pin

M12 D-Code male panel connector, front/ rear side fastening, PCB Contacts

Front Fastened

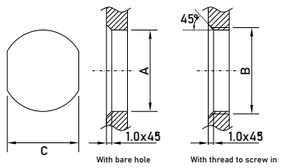


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$	$20.1^{+0.1}_{-0}$	$21.4^{+0.1}_{-0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$	N/A	N/A



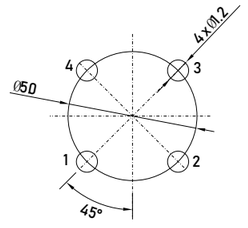
Connector Technical data

Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm
Termination	PCB Dip Soldering
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

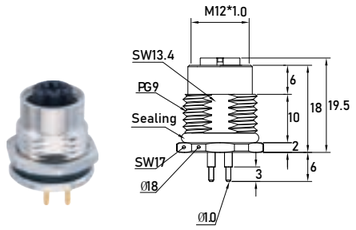
Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
4 Pin	EPIC MC04P1LPDBP9	EPIC MC04P1LPDB16	EPIC MC04P1LPDB20	EPIC MC04P1LPDB14N	EPIC MC04P3LPDBP9	EPIC MC04P3LPDB16	EPIC MC04P3LPDB20	EPIC MC04P3LPDB14N
	7433506613	7433506614	7433506615	7433506616	7433506617	7433506618	7433506619	7433506620

PCB Layout Reference

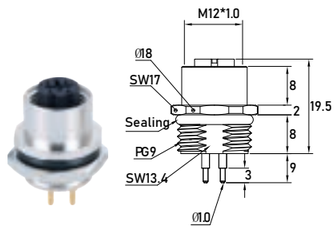


M12 D-Code female panel connector, front/ rear side fastening, PCB Contacts

Front Fastened

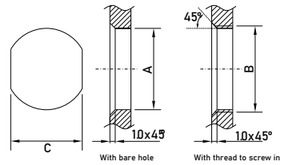


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$	N/A	N/A

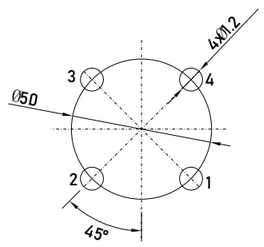


Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max ： 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphorbronze
Contacts plating	Au (Gold)
O-ring	FKM/Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

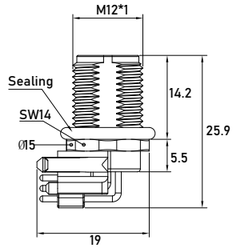
Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
4 Pin	EPIC MC04P2LPDBP9	EPIC MC04P2LPDB16	EPIC MC04P2LPDB20	EPIC MC04P2LPDB14N	EPIC MC04P4LPDBP9	EPIC MC04P4LPDB16	EPIC MC04P4LPDB20	EPIC MC04P4LPDB14N
	7433506621	7433506622	7433506623	7433506624	7433506625	7433506626	7433506627	7433506628

PCB Layout Reference

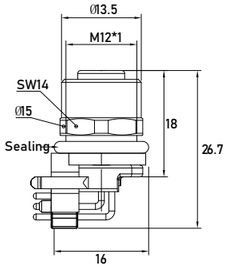


M12 D-Code male panel connector, front side fastening, PCB Contacts, with 90° PCB contacts

Male



Female

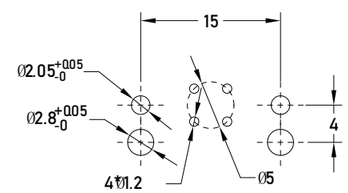


Connector Technical data	Male	Female
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend： 0.6Nm, Max ： 1.0Nm	
Termination	PCB Dip Soldering	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

Poles	Male	Female
4 Pin	EPIC MC04P1RPDB12	EPIC MC04P2RPDB12
	7433506629	7433506630

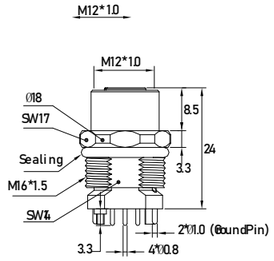
PCB Layout Reference

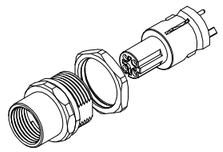


M12 D-Code (Profinet/ Ethernet)

M12 D-Code female PCB panel connector, EMI/ RFI-Shielded, rear fastening, with ground pin

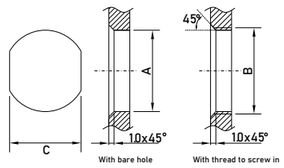
Rear Fastened





Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$

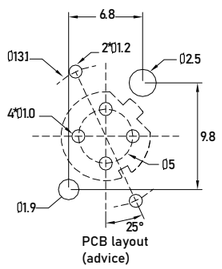


Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend： 0.6Nm, Max ： 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphorbronze
Contacts plating	Au (Gold)
O-ring	FKM/Silicon
Protection degree	IP67, IP68, IP69K
Pollution degree	3
EMC Shielding	Shielded

Ordering No.

Poles	Panel Rear Side Fastening	
	PG9	M16x1.5
4 Pin	EPIC MC04P4LPDSBP9	EPIC MC04P4LPDSB16
	7433506631	7433506632

PCB Layout Reference



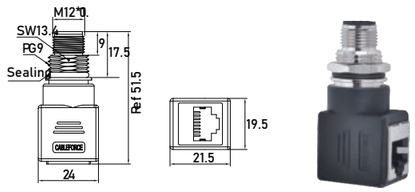
PCB layout (advice)

M12-RJ45 ADAPTER

M12 male to RJ45 female Adapter connector

180° Straight

90° Right angled



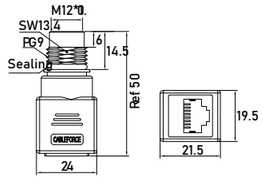
Connector Technical data		
Contacts No.	4Pin D-Code	8Pin A-Code
P1 Front View		
P2 Front View		
Reference standard	IEC 61076-2-101	
Rated current	4A	2A
Rated voltage	250V	30V
Impulse voltage	2500V	800V
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended： 0.4 Nm，Max ： 0.8 Nm	
Termination	Soldering	
Rated termperature	Flexible : -25 ~ 80℃; Static: -40 ~ 80℃	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	TPU + GF	
Screw nut	PA66 + GF	
Contacts	Brass	
Contacts plating	Au (Gold)	
O-Ring	FKM/Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	
EMC Shielding	Shielded	

Ordering No.

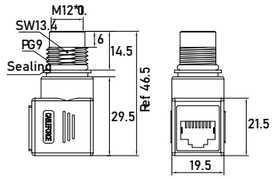
Poles	180° Straight		90° Right angled	
	PG9	M16*1.5	PG9	M16*1.5
4Pin D-Code	EPIC MC04P1LSDSBP9-RJ5EC2	EPIC MC04P1LSDSB16-RJ5EC2	EPIC MC04P1RSDSBP9-RJ5EC2	EPIC MC04P1RSDSB16-RJ5EC2
	7433506633	7433506634	7433506635	7433506636
8Pin A-Code	EPIC MC08P1LSASBP9-RJ5EC2	EPIC MC08P1LSASB16-RJ5EC2	EPIC MC08P1RSASBP9-RJ5EC2	EPIC MC08P1RSASB16-RJ5EC2

M12 female to RJ45 female Adapters connector

180° Straight



90° Right angled

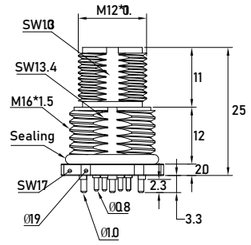


Connector Technical data				
Contacts No.	4Pin D-Code		8Pin A-Code	
P1 Front View				
P2 Front View				
Reference standard	IEC 61076-2-101			
Rated current	4A		2A	
Rated voltage	250V		30V	
Impulse voltage	2500V		800V	
Locking system	M12 x 1.0mm screw			
Tightening torque	Recommended： 0.4 Nm，Max ： 0.8 Nm			
Termination	Soldering			
Rated termperature	Flexible : -25 ~ 80℃; Static: -40 ~ 80℃			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	TPU + GF			
Screw nut	PA66 + GF			
Contacts	Brass			
Contacts plating	Au (Gold)			
O-Ring	FKM/Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			
EMC Shielding	S h ielded			

Ordering No.				
Poles	180° Straight		90° Right angled	
	PG9	M16*1.5	PG9	M16*1.5
4Pin D-Code	EPIC MC04P2LSDSBP9-RJ5EC2	EPIC MC04P2LSDSB16-RJ5EC2	EPIC MC04P2RSDSBP9-RJ5EC2	EPIC MC04P2RSDSB16-RJ5EC2
	7433506637	7433506638	7433506639	7433506640
8Pin A-Code	EPIC MC08P2LSASBP9-RJ5EC2	EPIC MC08P2LSASB16-RJ5EC2	EPIC MC08P2RSASBP9-RJ5EC2	EPIC MC08P2RSASB16-RJ5EC2
	7433506641	7433506642	7433506643	7433506644

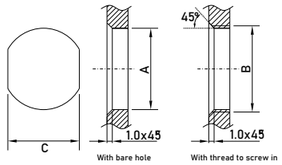
M12 X-Code male panel connector, EMI/ RFI-Shielded, front side fastening, with PCB contacts

Front Fastened



Recommended Panel Cut-out

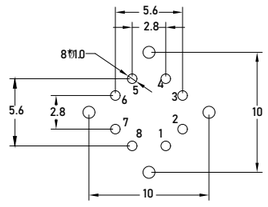
Chassis side	M16
A	$16.1^{+0.1}_{-0}$
B	M16x1.5
C	$13.6^{+0.1}_{-0}$



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max ： 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Zinc Die-castw ith Nickel Plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.	
Poles	Panel Front Side Fastening
	M16x1.5
8 Pin	EPIC MC08P1LPXSB16
	7433506645

PCB Layout Reference

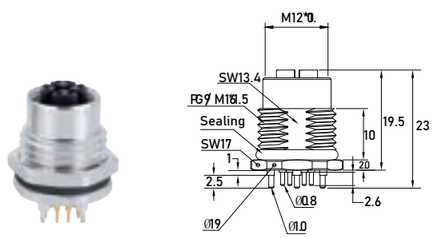


PCB Layout (advice)
M12 male 8PX-DCE

M12 X-Code

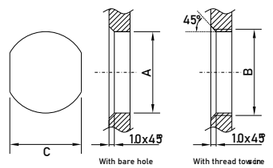
M12 X-Code female panel connector, EMI/ RFI-Shielded, front side fastening, with PCB contacts

Front Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$



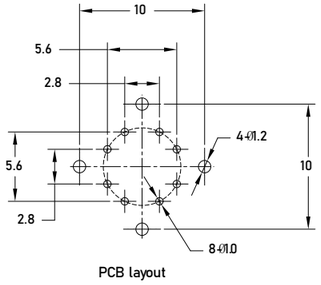
With bare hole　　With thread towards

Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max ： 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Zinc Die-cast w ith Nickel Plated
Contact	Phosphorbronze
Contacts plating	Au (Gold)
O-ring	FKM/Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

Poles	Panel Front Side Fastening	
	PG9	M16x1.5
8 Pin	EPIC MC08P2LPXSBP9	EPIC MC08P2LPXSB16
	7433506646	7433506647

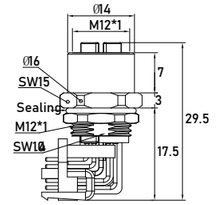
PCB Layout Reference



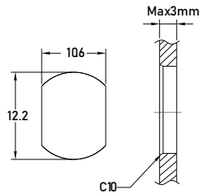
PCB layout
(advice)

M12 X-Code 90° Panel Connector

M12 X-Code female panel connector, front side fastening, PCB Contacts, with 90° PCB contacts



Recommended Panel Cut-out

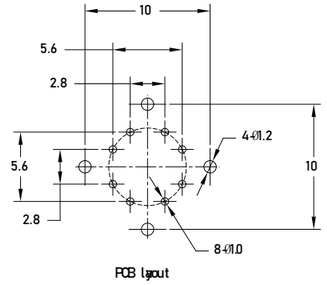


Connector Technical data	
Contacts No.	8Pin X-Code
Front View	
Reference Standard	IEC 61076-2-101
Rated current	0.5A
Rated voltage	50V
Impulse voltage	1500V
Locking system	M12 x1.0 screw
Tightening Torque	Recommend：0.6Nm, Max ： 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated / Zinc Die-cast w ith Nickel Plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

Coding	8 Pin	
X-Code	EPIC MC08P2RPXSB12	7433506648

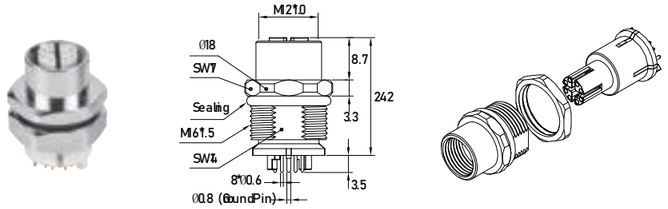
PCB Layout Reference



PCB Layout
(advice)

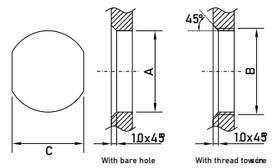
M12 X-Code female PCB panel connector, EMI/ RFI-Shielded, rear fastening, with ground pin

Rear Fastened 后锁



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$

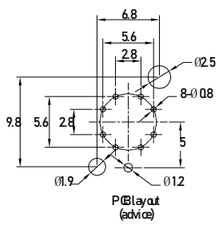


Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max ： 1.0Nm
Termination	PCB Dip Solering
Rated temperature	Flexible : -25 ~ 80℃; Static: -40 ~ 80℃
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphorbronze
Contacts plating	Au (Gold)
O-ring	FKM/Silicon
Protection degree	IP67, IP68, IP69K
Pollution degree	3
EMC Shielding	Shielded

Ordering No.

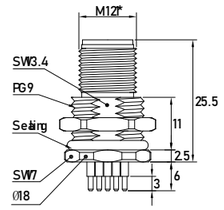
Poles	Panel Rear Side Fastening	
	PG9	M16x1.5
8 Pin	EPIC MC08P4LPXSBP9	EPIC MC08P4LPXSB16
	7433506649	7433506650

PCB Layout Reference

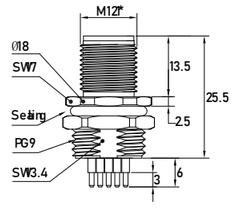


M12 Male Panel Connector, Front, With Single Wires

Front Fastened

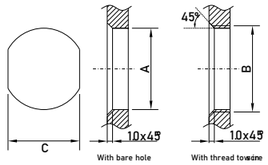


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$

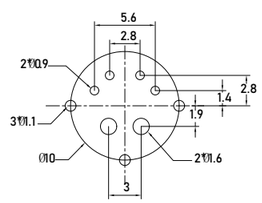


Connector Technical data		
Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal：0.5A	Power: 6A Signal：0.5A
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended ： 0.6 Nm，Max ： 1.0 Nm	
Termination	PCB Dip Solering	
Rated termperature	Flexible : -25 ~ 80℃; Static: -40 ~ 80℃	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Brass	
Contacts plating	Au (Gold)	
O-Ring	FKM/Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	

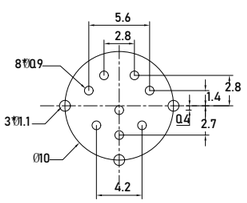
Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M16*1.5	PG9	M16*1.5
Y3 (4+2Pin)	EPIC MC06P1LPY3BP9	EPIC MC06P1LPY3B16	EPIC MC06P3LPY3BP9	EPIC MC06P3LPY3B16
	7433506651	7433506652	7433506655	7433506656
Y4 (4+4Pin)	EPIC MC08P1LPY4BP9	EPIC MC08P1LPY4B16	EPIC MC08P3LPY4BP9	EPIC MC08P3LPY4B16
	7433506653	7433506654	7433506657	7433506658

PCB Layout Reference



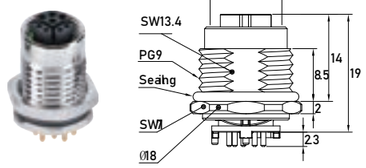
Y3 (4+2Pin)



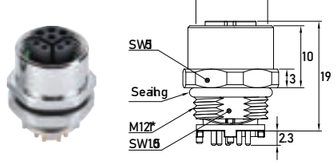
Y4 (4+4Pin)

M12 Female Panel Connector, Front, PCB Contacts

Front Fastened

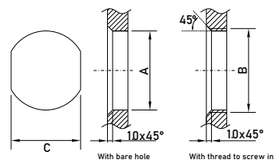


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



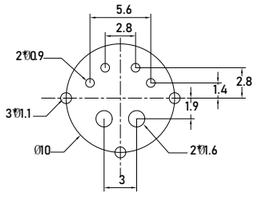
Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal：0.5A	
Rated voltage	50V	
Locking system	M12 x1.0mm screw	
Tightening torque	Recommended ： 0.4 Nm，Max ： 0.8 Nm	
Termination	PCB Dipsoldering	
Rated termperature	-25 ~ 80 ； -40 ~ 105	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphorbronze	
Contacts plating	Au (Gold)	
O-Ring	FKM/Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	

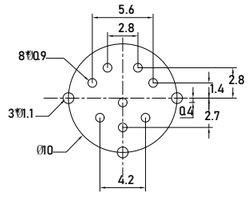
Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M16*1.5	PG9	M16*1.5
Y3 (4+2Pin)	EPIC MC06P2LPY3BP9	EPIC MC06P2LPY3B16	EPIC MC06P4LPY3BP9	EPIC MC06P4LPY3B16
	7433506659	7433506660	7433506663	7433506664
Y4 (4+4Pin)	EPIC MC08P2LPY4BP9	EPIC MC08P2LPY4B16	EPIC MC08P4LPY4BP9	EPIC MC08P4LPY4B16
	7433506661	7433506662	7433506665	7433506666

PCB Layout Reference



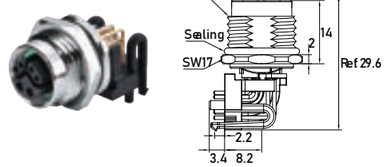
Y3 (4+2Pin)



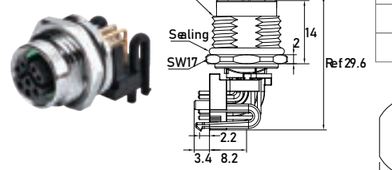
Y4 (4+4Pin)

M12 Y-Code female panel connector, front side fastening, with 90° PCB contacts

Y3 (4+2Pin)

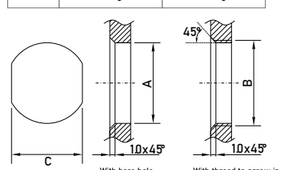


Y4 (4+4Pin)



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



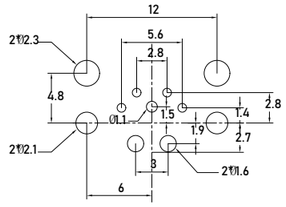
Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal：0.5A	Power: 6A Signal：0.5A
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended ： 0.6 Nm，Max ： 1.0 Nm	
Termination	PCB Dip Solering	
Rated termperature	Flexible : -25 ~ 80℃； Static: -40 ~ 80℃	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Brass	
Contacts plating	Au (Gold)	
O-Ring	FKM/Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	

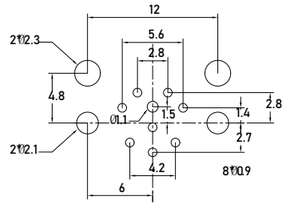
Ordering No.

Poles	PG9		M16*1.5	
Y3 (4+2Pin)	EPIC MC4.2P2RPY3SBP9	7433506667	EPIC MC4.2P2RPY3SB16	7433506668
Y4 (4+4Pin)	EPIC MC4.4P2RPY4SBP9	7433506669	EPIC MC4.4P2RPY4SB16	7433506670

PCB Layout Reference



Y3 (4+2Pin)

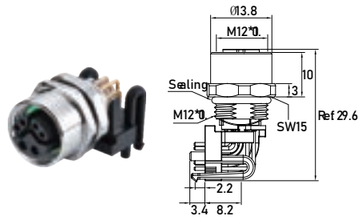


Y4 (4+4Pin)

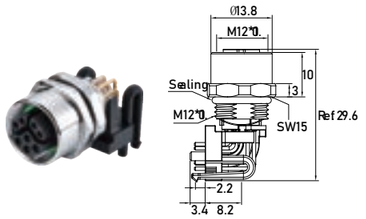
M12 Y-Code 90° Panel Connector

M12 Y-Code female panel connector, rear side fastening, with 90° PCB contacts

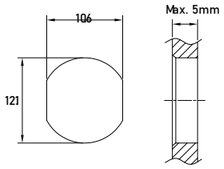
Y3 (4+2Pin)



Y4 (4+4Pin)



Recommended Panel Cut-out



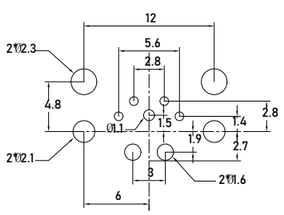
Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal： 0.5A	Power: 6A Signal： 0.5A
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended ： 0.4 Nm，Max： 0.8 Nm	
Termination	PCB Dip soldering	
Rated termperature	-25 ~ 80 ; -40 ~ 105	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphorbronze	
Contacts plating	Au (Gold)	
O-Ring	FKM/Silicon	
Protection degree	IP67, IP68, IP69K	
Pollution degree	3	

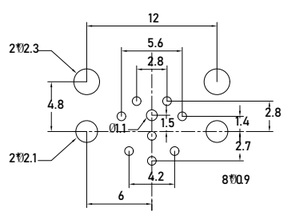
Ordering No.

Poles	M12	
Y3 (4+2Pin)	EPIC MC4.2P4RPY3SB12	7433506671
Y4 (4+4Pin)	EPIC MC4.4P4RPY4SB12	7433506672

PCB Layout Reference



Y3 (4+2Pin)

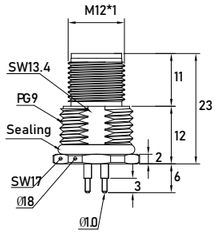


Y4 (4+4Pin)

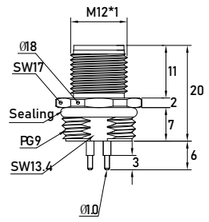
M12 S-Code (12AAC Power)

M12 S-Code male panel connector, front side fastening, PCB Contacts

Front Fastened

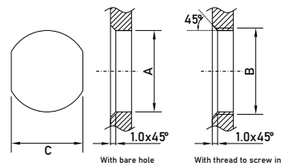


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



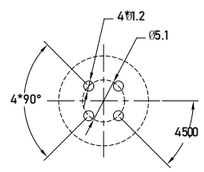
Connector Technical data

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm	
Termination	PCB Dip Soldering	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated /PA66 + GF	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

Poles	Panel Front Side Fastening			Panel Rear Side Fastening		
	PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
2+PE (3 Pin)	EPIC MC03P1LPSBP9	EPIC MC03P1LPSB16	EPIC MC03P1LPSPP9	EPIC MC03P3LPSBP9	EPIC MC03P3LPSB16	EPIC MC03P3LPSPP9
	7433506673	7433506674	7433506675	7433506679	7433506680	7433506681
3+PE (4 Pin)	EPIC MC04P1LPSBP9	EPIC MC04P1LPSB16	EPIC MC04P1LPSPP9	EPIC MC04P3LPSBP9	EPIC MC04P3LPSB16	EPIC MC04P3LPSPP9
	7433506676	7433506677	7433506678	7433506682	7433506683	7433506684

PCB Layout Reference

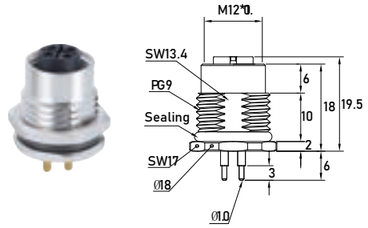


PCB layout
(advice)

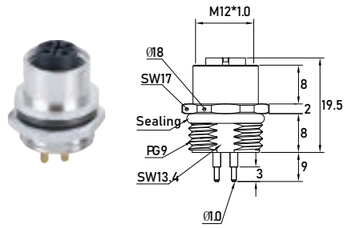
M12 S-Code(12A AC Power)

M12 S-Code female panel connector, front side fastening, PCB Contacts

Front Fastened

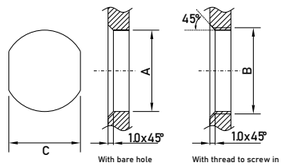


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{-0.1}_{-0.1}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{-0.1}_{-0.1}$	$13.6^{+0.1}_{-0}$

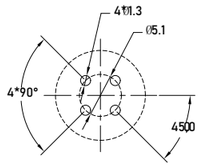


Connector Technical data		
Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm	
Termination	PCB Dip Soldering	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated/ PA66 + GF	
Contact	Phosphorbronze	
Contacts plating	Au (Gold)	
O-ring	FKM/Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

Poles	Panel Front Side Fastening			Panel Rear Side Fastening		
	PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
4 Pin	EPIC MC04P1LPTBP9	EPIC MC04P1LPTB16	EPIC MC04P1LPTPP9	EPIC MC04P3LPTBP9	EPIC MC04P3LPTB16	EPIC MC04P3LPTPP9
	7433506691	7433506692	7433506693	7433506694	7433506695	7433506696

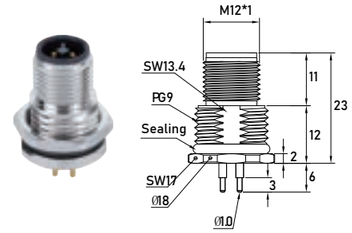
PCB Layout Reference



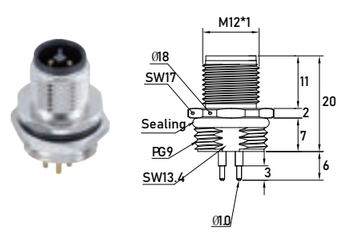
M12 T-Code (12A DC Power)

M12 T-Code male panel connector, front side fastening, PCB Contacts

Front Fastened

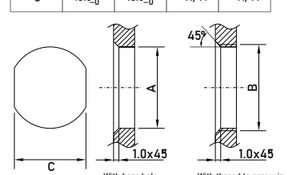


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{-0.1}_{-0.1}$	$16.1^{+0.1}_{-0}$	$20.1^{+0.1}_{-0}$	$21.4^{-0.1}_{-0.1}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{-0.1}_{-0.1}$	$13.6^{+0.1}_{-0}$	N/A	N/A

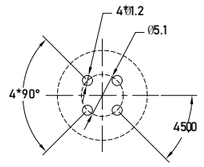


Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm
Termination	PCB Dip Soldering
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated/PA66 + GF
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

Poles	Panel Front Side Fastening			Panel Rear Side Fastening		
	PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
4 Pin	EPIC MC04P1LPTBP9	EPIC MC04P1LPTB16	EPIC MC04P1LPTPP9	EPIC MC04P3LPTBP9	EPIC MC04P3LPTB16	EPIC MC04P3LPTPP9
	7433506691	7433506692	7433506693	7433506694	7433506695	7433506696

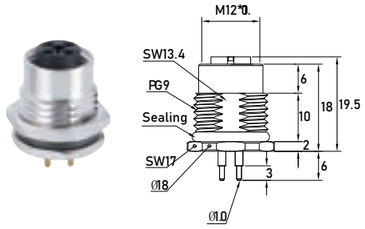
PCB Layout Reference



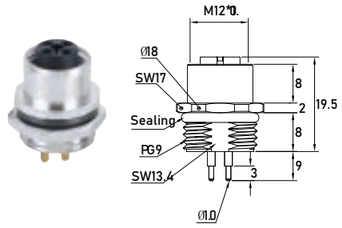
M12 T-Code (12A DC Power)

M12 T-Code female panel connector, front side fastening, PCB Contacts

Front Fastened

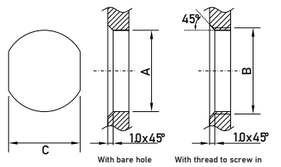


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$	$20.1^{+0.1}_{0}$	$21.4^{+0.1}_{0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$	N/A	N/A

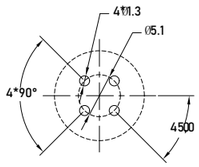


Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend：0.6Nm, Max：1.0Nm
Termination	PCB Dip Soldering
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated/PA66 + GF
Contact	Phosphorbronze
Contacts plating	Au (Gold)
O-ring	FKM/Silicon
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

Poles	Panel Front Side Fastening			Panel Rear Side Fastening	
	PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5
4 Pin	EPIC MC04P2LPTBP9	EPIC MC04P2LPTB16	EPIC MC04P2LPTPP9	EPIC MC04P4LPTBP9	EPIC MC04P4LPTB16
	7433506697	7433506698	7433506699	7433506700	7433506701

PCB Layout Reference

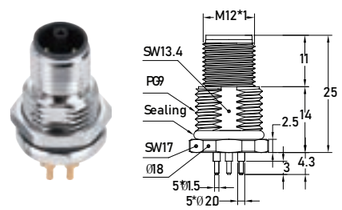


PCB layout
(advice)

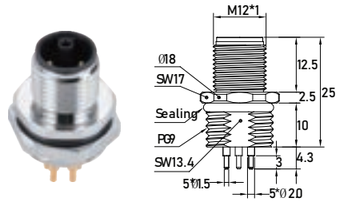
M12 K-Code (16A AC Power)

M12 Y-Code female panel connector, front side fastening, with 90° PCB contacts

Front Fastened

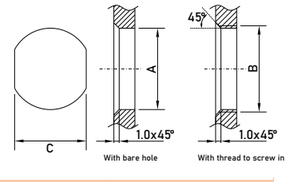


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$

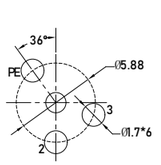


Connector Technical data			
Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended ： 0.6 Nm，Max ： 1.0 Nm		
Termination	PCB Dip Solering		
Rated termperature	Flexible: -25 ~ 80℃； Static : -40 ~ 80℃		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Male: Brass,PE Pin: Phosphorbronze		
Contacts plating	Au (Gold)		
O-Ring	FKM/Silicon		
Protection degree	IP67, IP68, IP69K		
Pollution degree	3		
EMC Shielding	Non-Shielded		

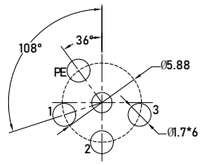
Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M16	PG9	M16
2+PE (3Pin)	EPIC MC03P1LPKBP9	EPIC MC03P1LPKB16	EPIC MC03P3LPKBP9	EPIC MC03P3LPKB16
	7433506702	7433506703	7433506708	7433506709
3+PE (4Pin)	EPIC MC04P1LPKBP9	EPIC MC04P1LPKB16	EPIC MC04P3LPKBP9	EPIC MC04P3LPKB16
	7433506704	7433506705	7433506710	7433506711
4+PE (5Pin)	EPIC MC05P1LPKBP9	EPIC MC05P1LPKB16	EPIC MC05P3LPKBP9	EPIC MC05P3LPKB16
	7433506706	7433506707	7433506712	7433506713

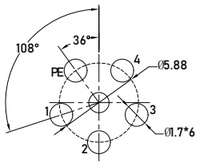
PCB Layout Reference



2+PE (3Pin)



3+PE (4Pin)

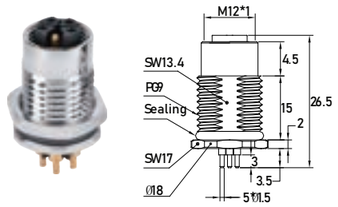


4+PE (5Pin)

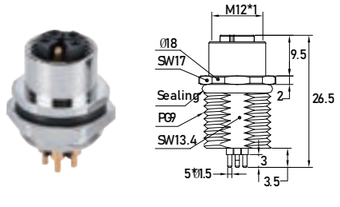
M12 K-Code (16A AC Power)

M12 Y-Code female panel connector, rear side fastening, with 90° PCB contacts

Front Fastened

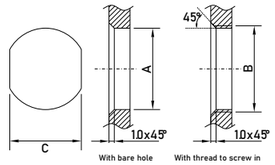


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$



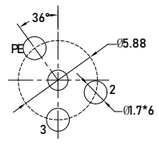
With bare hole　　With thread to screw in

Connector Technical data			
Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended： 0.6 Nm，Max： 1.0 Nm		
Termination	PCB Dip Solering		
Rated termperature	Flexible: -25 ~ 80℃； Static : -40 ~ 80℃		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Female: Phosphor bronze，PE Pin: Brass		
Contacts plating	Au (Gold)		
O-Ring	FKM/Silicon		
Protection degree	IP67, IP68, IP69K		
Pollution degree	3		
EMC Shielding	Non-Shielded		

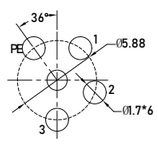
Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M16	PG9	M16
2+PE (3Pin)	EPIC MC03P2LPKBP9	EPIC MC03P2LPKB16	EPIC MC03P4LPKBP9	EPIC MC03P4LPKB16
	7433506714	7433506715	7433506720	7433506721
3+PE (4Pin)	EPIC MC04P2LPKBP9	EPIC MC04P2LPKB16	EPIC MC04P4LPKBP9	EPIC MC04P4LPKB16
	7433506716	7433506717	7433506722	7433506723
4+PE (5Pin)	EPIC MC05P2LPKBP9	EPIC MC05P2LPKB16	EPIC MC05P4LPKBP9	EPIC MC05P4LPKB16
	7433506718	7433506719	7433506724	7433506725

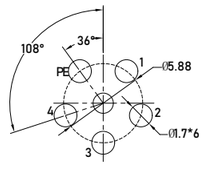
PCB Layout Reference



2+PE (3Pin)



3+PE (4Pin)

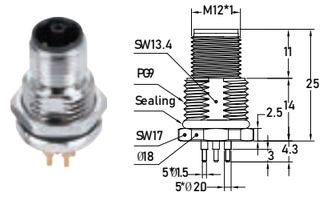


4+PE (5Pin)

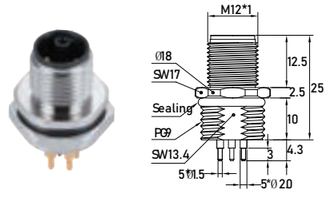
M12 L-Code (16A DC Power)

M12 S-Code male panel connector, front side fastening, PCB Contacts

Front Fastened

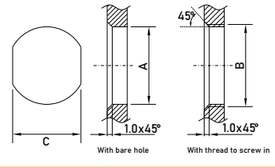


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$



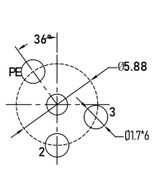
With bare hole　　With thread to screw in

Connector Technical data					
Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x1.0mm screw				
Tightening torque	Recommended： 0.6 Nm，Max： 1.0 Nm				
Termination	PCB Dip Solering				
Rated termperature	Flexible: -25 ~ 80℃； Static : -40 ~ 80℃				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Male: Brass,PE Pin: Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM/Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Non-Shielded				

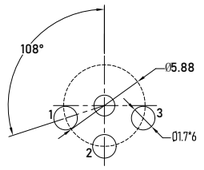
Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M16	PG9	M16
2+PE (3Pin)	EPIC MC2EP1LPLBP9	EPIC MC2EP1LPLB16	EPIC MC2EP3LPLBP9	EPIC MC2EP3LPLB16
	7433506726	7433506727	7433506736	7433506737
3Pin	EPIC MC03P1LPLBP9	EPIC MC03P1LPLB16	EPIC MC03P3LPLBP9	EPIC MC03P3LPLB16
	7433506728	7433506729	7433506738	7433506739
3+PE (4Pin)	EPIC MC3EP1LPLBP9	EPIC MC3EP1LPLB16	EPIC MC3EP3LPLBP9	EPIC MC3EP3LPLB16
	7433506730	7433506731	7433506740	7433506741
4Pin	EPIC MC04P1LPLBP9	EPIC MC04P1LPLB16	EPIC MC04P3LPLBP9	EPIC MC04P3LPLB16
	7433506732	7433506733	7433506742	7433506743
4+PE (5Pin)	EPIC MC4EP1LPLBP9	EPIC MC4EP1LPLB16	EPIC MC4EP3LPLBP9	EPIC MC4EP3LPLB16
	7433506734	7433506735	7433506744	7433506745

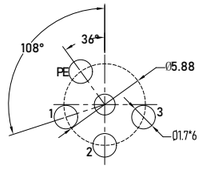
PCB Layout Reference



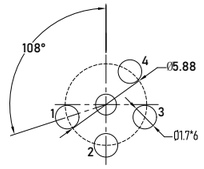
2+PE (3Pin)



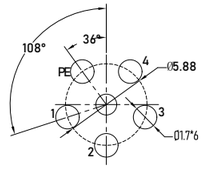
3Pin



3+PE (4Pin)



4Pin

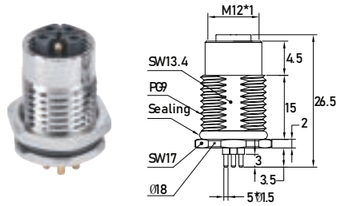


4+PE (5Pin)

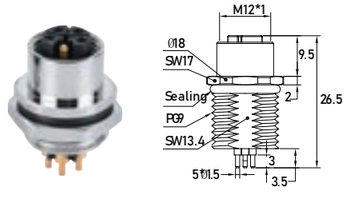
M12 L-Code (16A DC Power)

M12 S-Code female panel connector, front side fastening, PCB Contacts

Front Fastened

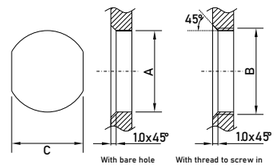


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{0}$	$16.1^{+0.1}_{0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{0}$	$13.6^{+0.1}_{0}$



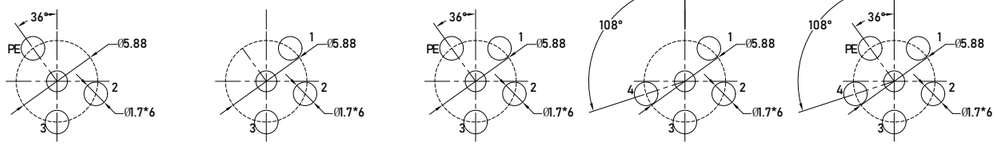
Connector Technical data

Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended ：0.6 Nm，Max ：1.0 Nm				
Termination	PCB Dip Solering				
Rated termperature	Flexible: -25 ~ 80℃； Static : -40 ~ 80℃				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Female: Phosphor bronze,PE Pin: Brass				
Contacts plating	Au (Gold)				
O-Ring	FKM/Silicon				
Protection degree	IP67, IP68, IP69K				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M16	PG9	M16
2+PE (3Pin)	EPIC MC2EP1LPLBP9	EPIC MC2EP1LPLB16	EPIC MC2EP3LPLBP9	EPIC MC2EP3LPLB16
	7433506726	7433506727	7433506736	7433506737
3Pin	EPIC MC03P1LPLBP9	EPIC MC03P1LPLB16	EPIC MC03P3LPLBP9	EPIC MC03P3LPLB16
	7433506728	7433506729	7433506738	7433506739
3+PE (4Pin)	EPIC MC3EP1LPLBP9	EPIC MC3EP1LPLB16	EPIC MC3EP3LPLBP9	EPIC MC3EP3LPLB16
	7433506730	7433506731	7433506740	7433506741
4Pin	EPIC MC04P1LPLBP9	EPIC MC04P1LPLB16	EPIC MC04P3LPLBP9	EPIC MC04P3LPLB16
	7433506732	7433506733	7433506742	7433506743
4+PE (5Pin)	EPIC MC4EP1LPLBP9	EPIC MC4EP1LPLB16	EPIC MC4EP3LPLBP9	EPIC MC4EP3LPLB16
	7433506734	7433506735	7433506744	7433506745

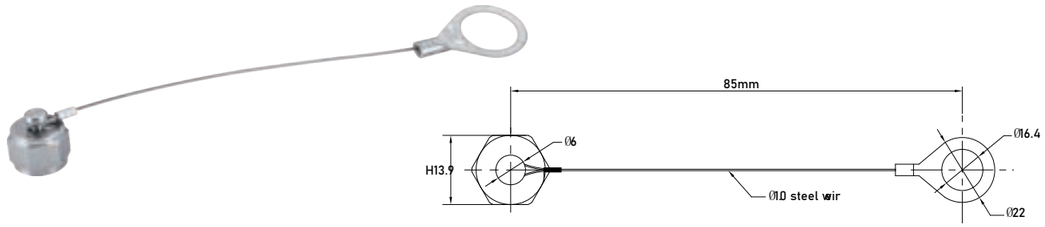
PCB Layout Reference



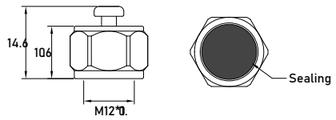
2+PE (3Pin) 3Pin 3+PE (4Pin) 4Pin 4+PE (5Pin)

M12 Dust Cap

M12 male connector’ s dust cap, SUS#316 with strap

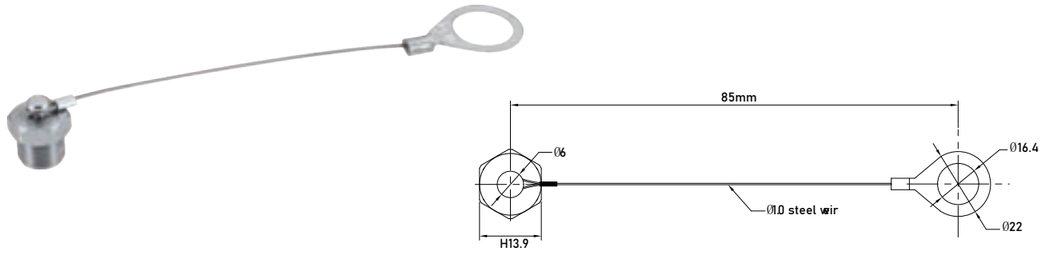


Notes
Cap： SUS#316
Strap： Steel
Sealing： FKM
IP Degree： IP67

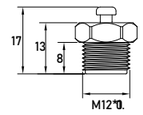


M12 Dust Cap

M12 female connector’ s dust cap, SUS#316 with strap

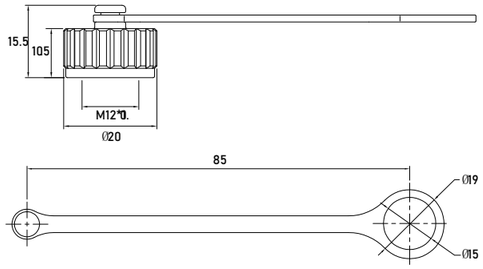


Notes	
Ordering No.	EPIC MC-PC04S
	7433506767
Cap:SUS#316	Strap:Steel
Degree:IP67	



M12 Dust Cap

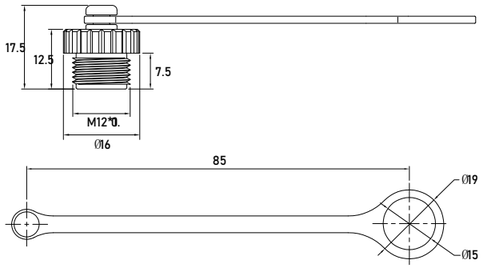
M12 male connector’s plastic dust cap, with strap



Notes	
Ordering No.	EPIC MC-PC03
	7433506768
Cap:PA	Strap:TPU
Sealing:FKM	IP Degree:IP67

M12 Dust Cap

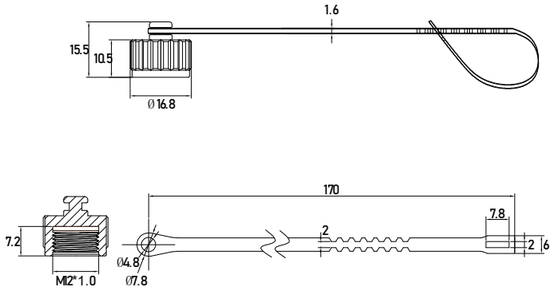
M12 female connector’s plastic dust cap, with strap



Notes	
Ordering No.	EPIC MC-PC04
	7433506769
Cap:PA	Strap:TPU
IP Degree:IP67	

M12 Dust Cap

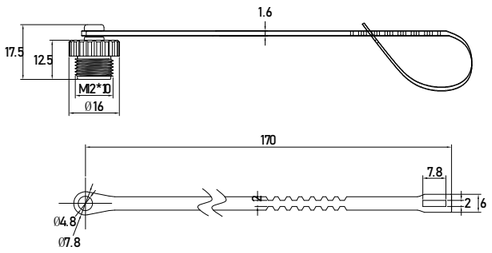
M12 male connector’s plastic dust cap, with strap



Notes	
Ordering No.	EPIC MC-PC03
	7433506770
Cap:PA	Strap:TPU
Sealing:FKM	IP Degree:IP67

M12 Dust Cap

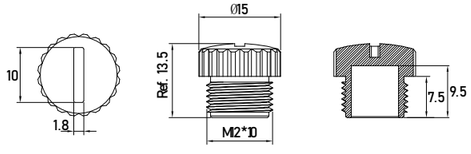
M12 female connector’s plastic dust cap, with strap



Notes	
Ordering No.	EPIC MC-PC04
	7433506771
Cap:PA	Strap:TPU
IP Degree:IP67	

M12 Dust Cap

M12 female connector’s dust cap



Notes	
Ordering No.	EPIC MC-PC06
	7433506772
Cap:PA+GF	
IP Degree:IP67	

M12 Field wireable connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !
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Permit high flexibility for wiring in the field. For quick assembly and disassembly of often differing cable lengths, solder termination and screw termination are available, and quick-locking fast connection type is available.

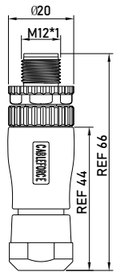
M12

Field attachable/ wireable connectors

- Degree of protection IP 67
- 3P, 4P, 5P, 8P, 12Pin are available
- Operating voltage: 300V-DC/ 250V-AC/ 60V/ 30V
- Current rating: 1.5A~4A
- PA+GF Housing / Metal shell
- Anti-vibration locking screw design

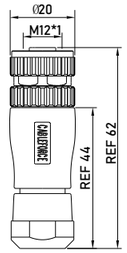
M12 Male/ Female, Field Wireable Connector, Brass Screw

Male

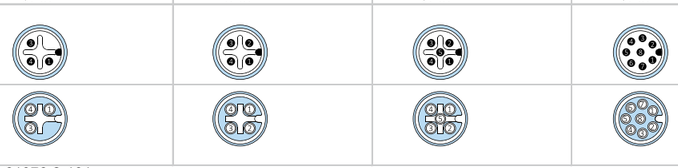


Cable OD: 4~6mm,OD: 6~8mm

Female

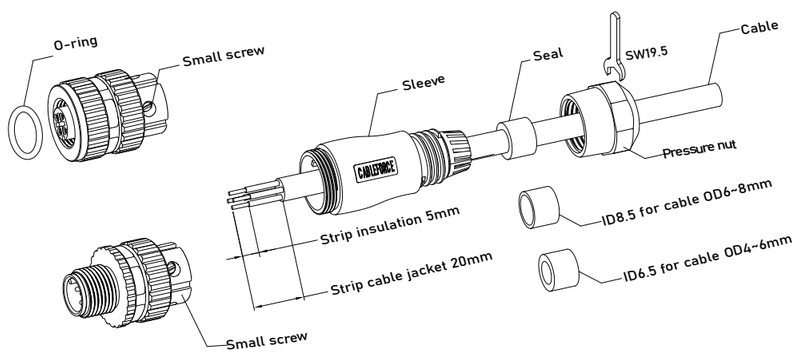


Cable OD: 4~6mm,OD: 6~8mm

Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			2A
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm， Wire screw : 0.2Nm,Cable gland: 0.4~1.0Nm			
Termination	Screw fixing			
Wire gauge	0.34mm² (AWG 22)			0.25mm² AWG24
Cable outlet	Pg7 (4~6mm)，PG9 (6~8mm)			
Rated temperature	–25 °C ... +90 °C, – 40 °C ... +125 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤ 5mΩ			
Connector body	PA66 + GF			
Contact carrier	PA66 + GF			
Screw nut	Brass			
Contact	Male: Brass ; Female: Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ NBR			
Protection degree	IP67, IP68			
Pollution degree	3			

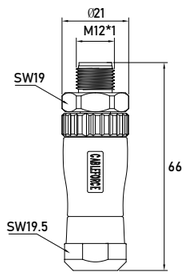
Ordering No.				
Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3 Pin	EPIC MC03A1LWAB-P7	EPIC MC03A1LWAB-P9	EPIC MC03A2LWAB-P7	EPIC MC03A2LWAB-P9
	7433506963	7433506964	7433506971	7433506972
4 Pin	EPIC MC04A1LWAB-P7	EPIC MC04A1LWAB-P9	EPIC MC04A2LWAB-P7	EPIC MC04A2LWAB-P9
	7433506965	7433506966	7433506973	7433506974
5 Pin	EPIC MC05A1LWAB-P7	EPIC MC05A1LWAB-P9	EPIC MC05A2LWAB-P7	EPIC MC05A2LWAB-P9
	7433506967	7433506968	7433506975	7433506976
8 Pin	EPIC MC08A1LWAB-P7	EPIC MC08A1LWAB-P9	EPIC MC08A2LWAB-P7	EPIC MC08A2LWAB-P9
	7433506969	7433506970	7433506977	7433506978

Assembly Instruction



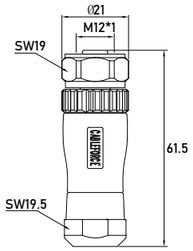
M12 Field Wireable Connector, SUS 316# Stainless Steel Screw

Male

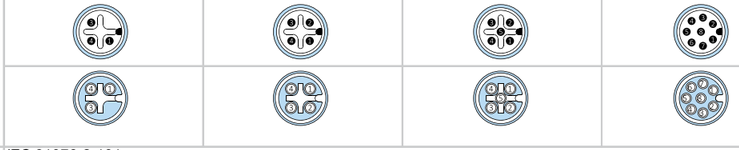


Cable OD : 4~6mm,OD: 6~8mm

Female

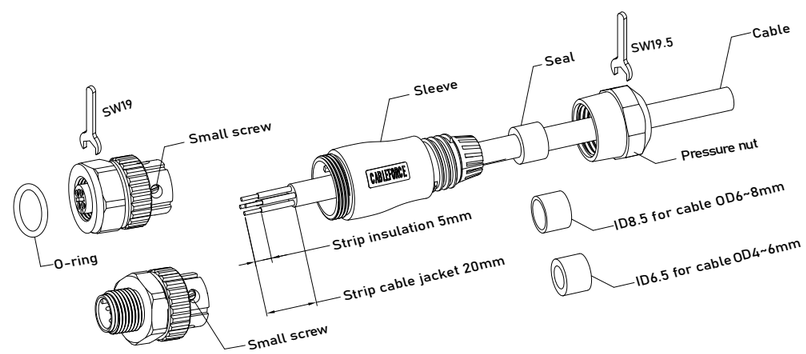


Cable OD: 4~6mm,OD: 6~8mm

Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			2A
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm， Wire screw : 0.2Nm,Cable gland: 0.4~1.0Nm			
Termination	Screw fixing			
Wire gauge	0.34mm² (AWG 22)			0.25mm² AWG24
Cable outlet	PG7 (4~6mm)，PG9 (6~8mm)			
Rated temperature	–25 °C ... +90 °C, – 40 °C ... +125 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤ 5mΩ			
Connector body	PA66 + GF			
Contact carrier	PA66 + GF			
Screw nut	SUS 316# Stainless Steel			
Contact	Male: Brass ; Female: Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ NBR			
Protection degree	IP67, IP68			
Pollution degree	3			

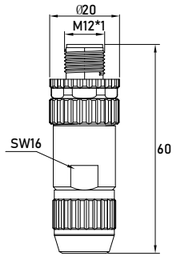
Ordering No.				
Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3 Pin	EPIC MC03A1LWASH-P7	EPIC MC03A1LWASH-P9	EPIC MC03A2LWASH-P7	EPIC MC03A2LWASH-P9
	7433506979	7433506980	7433506987	7433506988
4 Pin	EPIC MC04A1LWASH-P7	EPIC MC04A1LWASH-P9	EPIC MC04A2LWASH-P7	EPIC MC04A2LWASH-P9
	7433506981	7433506982	7433506989	7433506990
5 Pin	EPIC MC05A1LWASH-P7	EPIC MC05A1LWASH-P9	EPIC MC05A2LWASH-P7	EPIC MC05A2LWASH-P9
	7433506983	7433506984	7433506991	7433506992
8 Pin	EPIC MC08A1LWASH-P7	EPIC MC08A1LWASH-P9	EPIC MC08A2LWASH-P7	EPIC MC08A2LWASH-P9
	7433506985	7433506986	7433506993	7433506994

Assembly Instruction



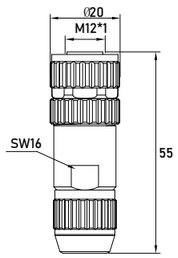
M12 Male/ Female, Field Wire-able, EMI-Shielded, Screw Termination

Male



Cable OD: 4~6mm,OD: 6~8mm

Female



Cable OD: 4~6mm OD: 6~8mm

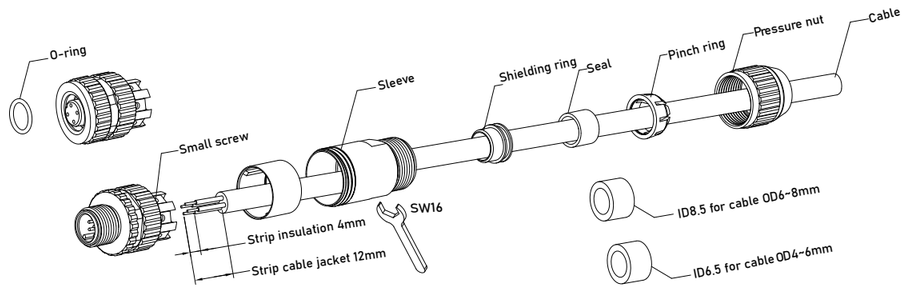
Connector Technical data

Contacts No.	4Pin D-Coding	5Pin A-Coding	5Pin B-Coding
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	1~4A	4A	
Rated voltage	250V	60V	
Impulse voltage	2500V		
Locking system	M12 x 1.0 screw		
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm， Wire screw : 0.2Nm,Cable gland: 0.4~1.0Nm		
Termination	Screw fixing		
Wire gauge	0.34~0.14mm² (AWG 22-26)		
Cable outlet	PG7 (4~6mm)，PG9 (6~8mm)		
Rated temperature	–25 °C ... +90 °C, – 40 °C ... +125 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤ 5mΩ		
Connector body	Brass, CNC, nickel-plated		
Contact carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Male: Brass ; Female: Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP67, IP68		
Pollution degree	3		

Ordering No.

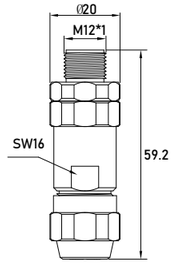
Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3 Pin	EPIC MC03A1LWAP-P7	EPIC MC03A1LWAP-P9	EPIC MC03A2LWAP-P7	EPIC MC03A2LWAP-P9
	7433506995	7433506996	7433507005	7433507006
4 Pin	EPIC MC04A1LWAP-P7	EPIC MC04A1LWAP-P9	EPIC MC04A2LWAP-P7	EPIC MC04A2LWAP-P9
	7433506997	7433506998	7433507007	7433507008
5 Pin	EPIC MC05A1LWAP-P7	EPIC MC05A1LWAP-P9	EPIC MC05A2LWAP-P7	EPIC MC05A2LWAP-P9
	7433506999	7433507000	7433507009	7433507010
8 Pin	EPIC MC08A1LWAP-P7	EPIC MC08A1LWAP-P9	EPIC MC08A2LWAP-P7	EPIC MC08A2LWAP-P9
	7433507001	7433507002	7433507011	7433507012
12 Pin	EPIC MC12A1LWAP-P7	EPIC MC12A1LWAP-P9	EPIC MC12A2LWAP-P7	EPIC MC12A2LWAP-P9
	7433507003	7433507004	7433507013	7433507014

Assembly Instruction



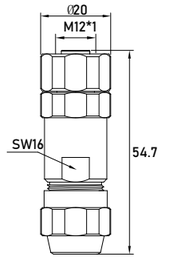
M12 Male/ Female, Field Wireable, EMI-Shielded, Screw Termination, SUS 316# Stainless Steel Screw

Male



Cable OD:Ø4~6mm,Ø6~8mm

Female



Cable OD:Ø4~6mm,Ø6~8mm

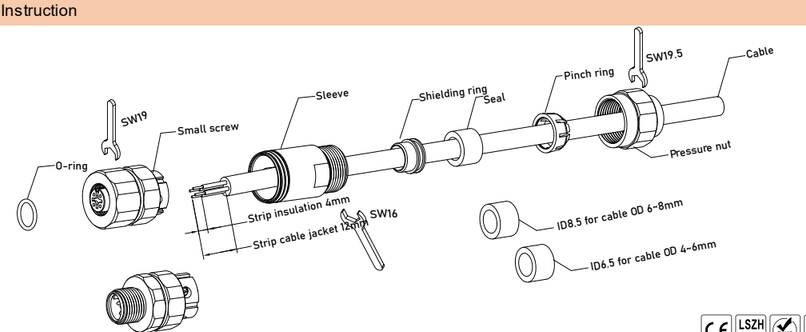
Connector Technical data

Contacts No.	3Pin A-coding	4Pin A-coding	4Pin D-coding	5Pin A-coding	8Pin A-coding
Front View					
Reference standard	IEC 61076-2-101				
Rated current	4A				2A
Rated voltage	250V				30V
Impulse voltage	2500V				800V
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended： 0.4Nm，Max: 0.8Nm，Wire screw： 0.2Nm，Cable gland: 0.4~1.0Nm				
Termination	Screw fixing				
Wire gauge	0.34~0.14mm² (AWG22~26)				
Cable outlet	PG7 (4~6mm), PG9 (6~8mm)				
Rated termperature	Flexible: -25 ~ 80 ； Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	PA6				
Contacts carrier	PA6				
Screw nut	SUS 316# Stainless Steel , CNC				
Contacts	Brass				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Shielded				

Ordering No.

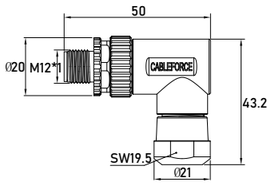
Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3Pin A-Coding	EPIC MC03A1LWASH-P7	EPIC MC03A1LWASH-P9	EPIC MC03A2LWASH-P7	EPIC MC03A2LWASH-P9
	7433507015	7433507016	7433507025	7433507026
4Pin A-Coding	EPIC MC04A1LWASH-P7	EPIC MC04A1LWASH-P9	EPIC MC04A2LWASH-P7	EPIC MC04A2LWASH-P9
	7433507017	7433507018	7433507027	7433507028
4Pin D-Coding	EPIC MC04A1LWDSH-P7	EPIC MC04A1LWDSH-P9	EPIC MC04A2LWDSH-P7	EPIC MC04A2LWDSH-P9
	7433507019	7433507020	7433507029	7433507030
5Pin A-Coding	EPIC MC05A1LWASH-P7	EPIC MC05A1LWASH-P9	EPIC MC05A2LWASH-P7	EPIC MC05A2LWASH-P9
	7433507021	7433507022	7433507031	7433507032
8Pin A-Coding	EPIC MC08A1LWASH-P7	EPIC MC08A1LWASH-P9	EPIC MC08A2LWASH-P7	EPIC MC08A2LWASH-P9
	7433507023	7433507024	7433507033	7433507034

Assembly Instruction



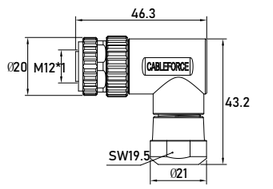
M12 Field Wire-able Connector, Right Angled, Screw Termination

Male

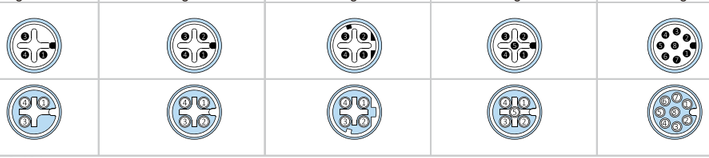


PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)

Female



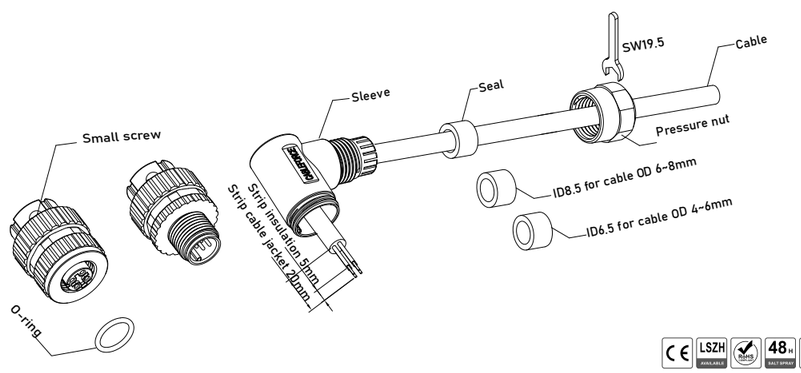
PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)

Connector Technical data					
Contacts No.	3Pin A-coding	4Pin A-coding	4Pin D-coding	5Pin A-coding	8Pin A-coding
Front View					
Reference standard	IEC 61076-2-101				
Rated current	4A				2A
Rated voltage	250V				30V
Impulse voltage	2500V				800V
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended： 0.4Nm，Max： 0.8Nm，Wire screw： 0.2Nm，Cable gland： 0.4~1.0Nm				
Termination	Screw fixing				
Wire gauge	0.34~0.14mm² (AWG22~26)				
Cable outlet	PG7 (4~6mm), PG9 (6~8mm)				
Rated termperature	Flexible: -25 ~ 80 ； Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	PA6				
Contacts carrier	PA6				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Male: Brass， Female: Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Shielded				

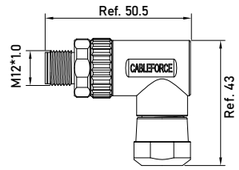
Ordering No.

Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3Pin A-Coding	EPIC MC03A1RWAB-P7 7433507035	EPIC MC03A1RWAB-P9 7433507036	EPIC MC03A2RWAB-P7 7433507045	EPIC MC03A2RWAB-P9 7433507046
4Pin A-Coding	EPIC MC04A1RWAB-P7 7433507037	EPIC MC04A1RWAB-P9 7433507038	EPIC MC04A2RWAB-P7 7433507047	EPIC MC04A2RWAB-P9 7433507048
4Pin D-Coding	EPIC MC04A1RWDB-P7 7433507039	EPIC MC04A1RWDB-P9 7433507040	EPIC MC04A2RWDB-P7 7433507049	EPIC MC04A2RWDB-P9 7433507050
5Pin A-Coding	EPIC MC05A1RWAB-P7 7433507041	EPIC MC05A1RWAB-P9 7433507042	EPIC MC05A2RWAB-P7 7433507051	EPIC MC05A2RWAB-P9 7433507052
8Pin A-Coding	EPIC MC08A1RWAB-P7 7433507043	EPIC MC08A1RWAB-P9 7433507044	EPIC MC08A2RWAB-P7 7433507053	EPIC MC08A2RWAB-P9 7433507054

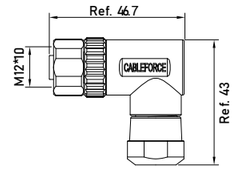
Assembly Instruction



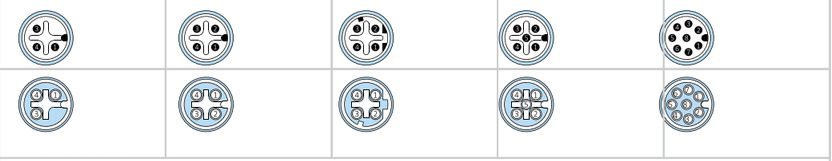
M12 Field Wire-able Connector, Right Angled, Screw Termination, Stainless Steel



PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)



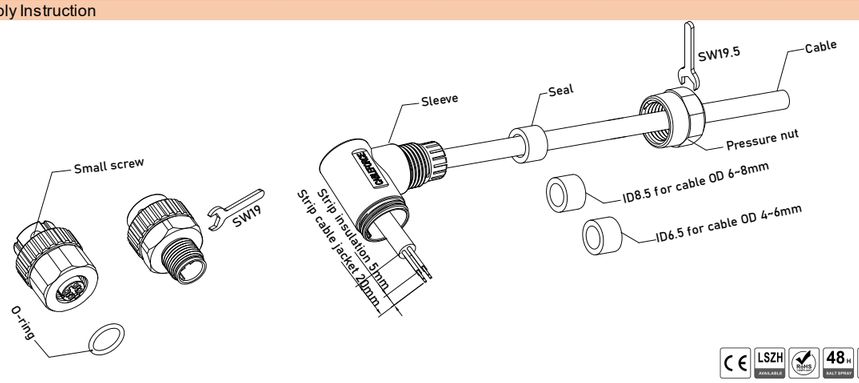
PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)

Connector Technical data					
Contacts No.	3Pin A-coding	4Pin A-coding	4Pin D-coding	5Pin A-coding	8Pin A-coding
Front View					
Reference standard	IEC 61076-2-101				
Rated current	4A				2A
Rated voltage	250V				30V
Impulse voltage	2500V				800V
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended： 0.4Nm，Max： 0.8Nm，Wire screw： 0.2Nm，Cable gland： 0.4~1.0Nm				
Termination	Screw fixing				
Wire gauge	0.34~0.14mm² (AWG22~26)				
Cable outlet	PG7 (4~6mm), PG9 (6~8mm)				
Rated termperature	Flexible: -25 ~ 80 ； Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	PA6				
Contacts carrier	PA6				
Screw nut	SUS 316# Stainless Steel				
Contacts	Male: Brass ， Female: Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Shielded				

Ordering No.

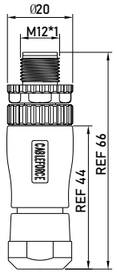
Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3Pin A-Coding	EPIC MC03A1RWASH-P7 7433507055	EPIC MC03A1RWASH-P9 7433507056	EPIC MC03A2RWASH-P7 7433507065	EPIC MC03A2RWASH-P9 7433507066
4Pin A-Coding	EPIC MC04A1RWASH-P7 7433507057	EPIC MC04A1RWASH-P9 7433507058	EPIC MC04A2RWASH-P7 7433507067	EPIC MC04A2RWASH-P9 7433507068
4Pin D-Coding	EPIC MC04A1RWDSH-P7 7433507059	EPIC MC04A1RWDSH-P9 7433507060	EPIC MC04A2RWDSH-P7 7433507069	EPIC MC04A2RWDSH-P9 7433507070
5Pin A-Coding	EPIC MC05A1RWASH-P7 7433507061	EPIC MC05A1RWASH-P9 7433507062	EPIC MC05A2RWASH-P7 7433507071	EPIC MC05A2RWASH-P9 7433507072
8Pin A-Coding	EPIC MC08A1RWASH-P7 7433507063	EPIC MC08A1RWASH-P9 7433507064	EPIC MC08A2RWASH-P7 7433507073	EPIC MC08A2RWASH-P9 7433507074

Assembly Instruction



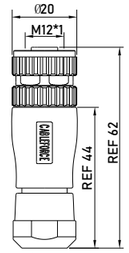
M12 Male/ Female, Field Wireable Connector, Plastic screw

Male

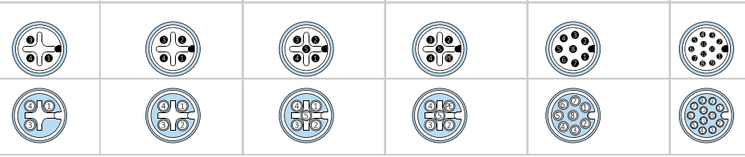


PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)

Female



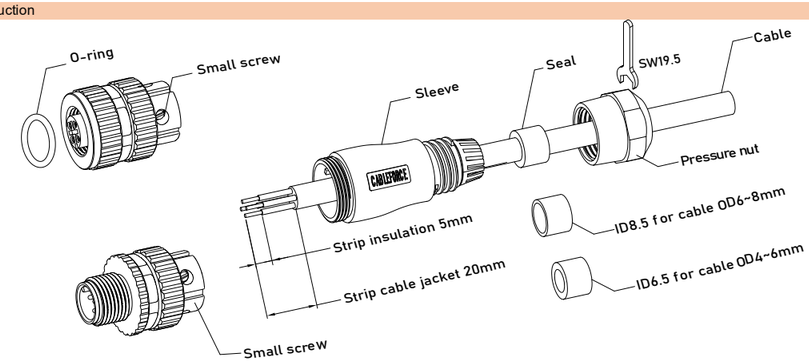
PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)

Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	1.5A
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	500V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm，Wire screw : 0.2Nm, Cable gland: 0.4~1.0Nm					
Termination	Screw fixing					Soldering
Wire gauge	0.34mm² (AWG 22)				0.25mm² AWG24	0.14mm² (AWG 26)
Cable outlet	PG7 (4~6mm)，PG9 (6~8mm)					
Rated temperature	–25 °C ... +90 °C，–40 ° C ... +125 ° C，					
Insulation resistance	≥100MΩ					
Contact resistance	≤ 5mΩ					
Connector body	PA66 + GF					
Contact carrier	PA66 + GF					
Screw nut	PA66 + GF					
Contact	Male: Brass ; Female: Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ NBR					
Protection degree	IP67, IP68					
Pollution degree	3					

Ordering No.

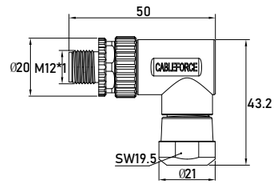
Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3 Pin	EPIC MC03A1LWAP-P7	EPIC MC03A1LWAP-P9	EPIC MC03A2LWAP-P7	EPIC MC03A2LWAP-P9
	7433507075	7433507076	7433507085	7433507086
4 Pin	EPIC MC04A1LWAP-P7	EPIC MC04A1LWAP-P9	EPIC MC04A2LWAP-P7	EPIC MC04A2LWAP-P9
	7433507077	7433507078	7433507087	7433507088
5 Pin	EPIC MC05A1LWAP-P7	EPIC MC05A1LWAP-P9	EPIC MC05A2LWAP-P7	EPIC MC05A2LWAP-P9
	7433507079	7433507080	7433507089	7433507090
8 Pin	EPIC MC08A1LWAP-P7	EPIC MC08A1LWAP-P9	EPIC MC08A2LWAP-P7	EPIC MC08A2LWAP-P9
	7433507081	7433507082	7433507091	7433507092
12 Pin	EPIC MC12A1LWAP-P7	EPIC MC12A1LWAP-P9	EPIC MC12A2LWAP-P7	EPIC MC12A2LWAP-P9
	7433507083	7433507084	7433507093	7433507094

Assembly Instruction



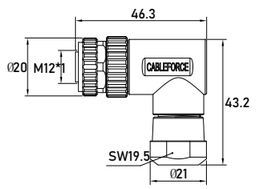
M12 Male/ Female, Fiedl Wire-able Connector, Right Angled, Screw Termination, Plastic screw

Male

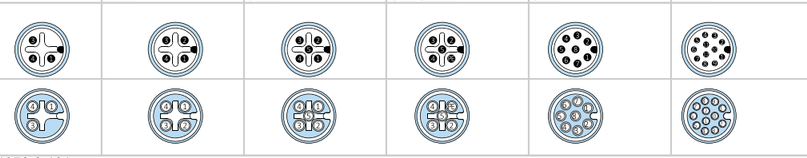


PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)

Female



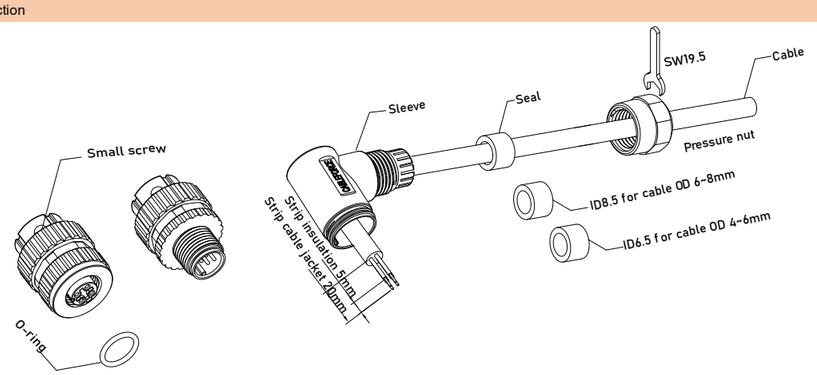
PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)

Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	1.5A
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	500V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm， Wire screw : 0.2Nm, Cable gland: 0.4~1.0Nm					
Termination	Screw fixing					Soldering
Wire gauge	0.34mm² (AWG 22)				0.25mm² AWG24	0.14mm² (AWG 26)
Cable outlet	PG7 (4~6mm)，PG9 (6~8mm)					
Rated temperature	–25 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤ 5mΩ					
Connector body	PA66 + GF					
Contact carrier	PA66 + GF					
Screw nut	PA66 + GF					
Contact	Brass/					
Contacts plating	Au (Gold)					
O-ring	FKM/ NBR					
Protection degree	IP67, IP68					
Pollution degree	3					

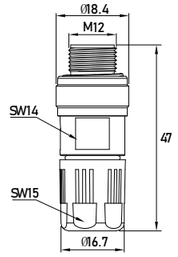
Ordering No.

Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3 Pin	EPIC MC03A1RWAP-P7	EPIC MC03A1RWAP-P9	EPIC MC03A2RWAP-P7	EPIC MC03A2RWAP-P9
	7433507095	7433507096	7433507105	7433507106
4 Pin	EPIC MC04A1RWAP-P7	EPIC MC04A1RWAP-P9	EPIC MC04A2RWAP-P7	EPIC MC04A2RWAP-P9
	7433507097	7433507098	7433507107	7433507108
5 Pin	EPIC MC05A1RWAP-P7	EPIC MC05A1RWAP-P9	EPIC MC05A2RWAP-P7	EPIC MC05A2RWAP-P9
	7433507099	7433507100	7433507109	7433507110
8 Pin	EPIC MC08A1RWAP-P7	EPIC MC08A1RWAP-P9	EPIC MC08A2RWAP-P7	EPIC MC08A2RWAP-P9
	7433507101	7433507102	7433507111	7433507112
12 Pin	EPIC MC12A1RWAP-P7	EPIC MC12A1RWAP-P9	EPIC MC12A2RWAP-P7	EPIC MC12A2RWAP-P9
	7433507103	7433507104	7433507113	7433507114

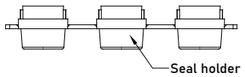
Assembly Instruction



M12 D-Code 4Pin Male, Field wireable connector, Crimping termination



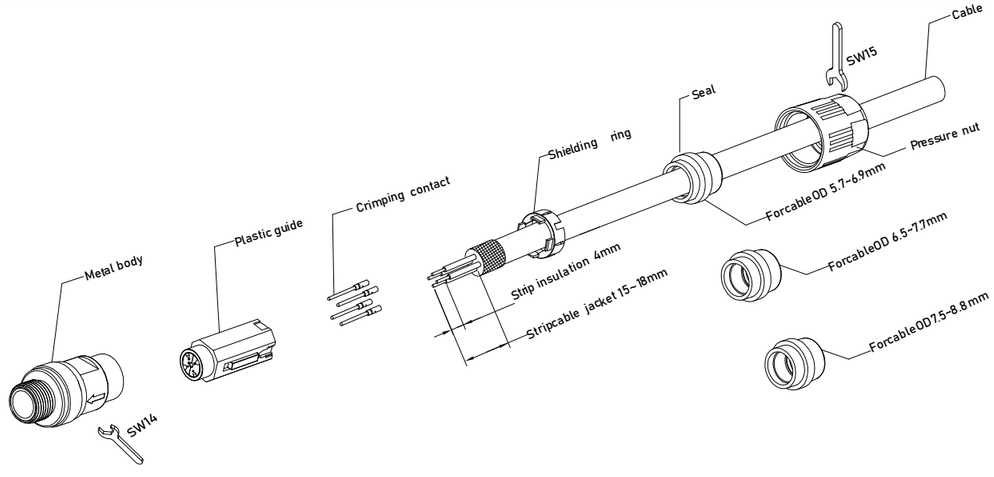
CableOD : 4~6mm OD: 6~8mm



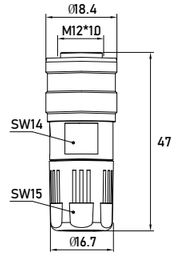
Connector Technical data	
Contacts No.	4Pin
Front View	
Reference standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended：0.6 Nm，Max：1.0 Nm
Termination	Crimping
Wire gauge	0.34~0.14mm² (22~26AWG)
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Contacts carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM/ Silicon
Protection degree	IP67, IP68, IP69K
Pollution degree	3
EMC Shielding	Shielded

Ordering No.	
Poles	Male
4 Pin	EPIC MC04A1LCDSB
	7433507115

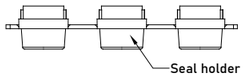
Assembly Instruction



M12 D-Code 4Pin Male, Field wireable connector, Crimping termination, Push-Pull



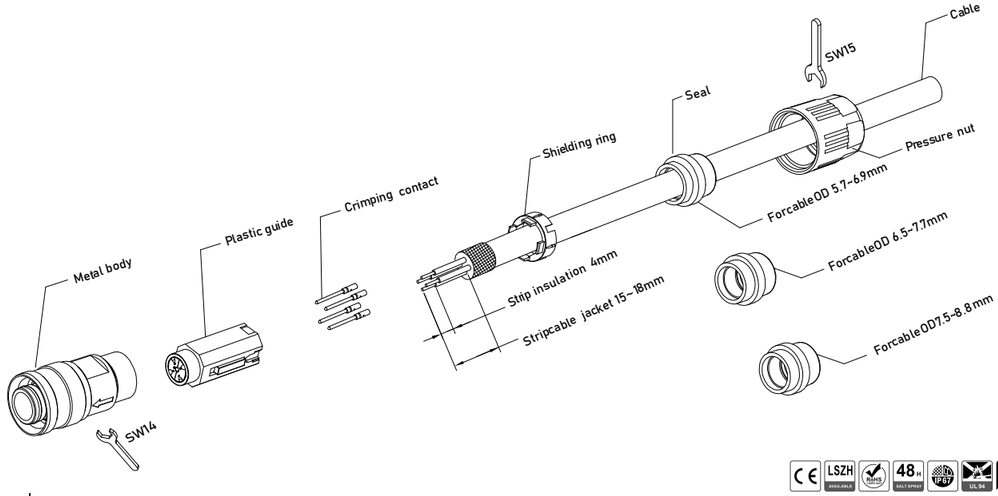
CableOD: 4~6mm OD: 6~8mm



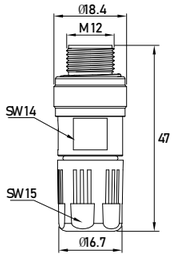
Connector Technical data	
Contacts No.	4Pin
Front View	
Reference standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	Push-Pull
Tightening torque	N/A
Termination	Crimping
Wire gauge	0.34~0.14mm² (22~26AWG)
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Contacts carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM/ Silicon
Protection degree	IP67, IP68, IP69K
Pollution degree	3
EMC Shielding	Shielded

Ordering No.	
Poles	Male
4 Pin	EPIC MC04A1LCDSBP
	7433507116

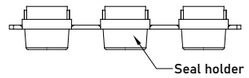
Assembly Instruction



M12 X-Code 8Pin Male, Field wireable connector, Crimping termination



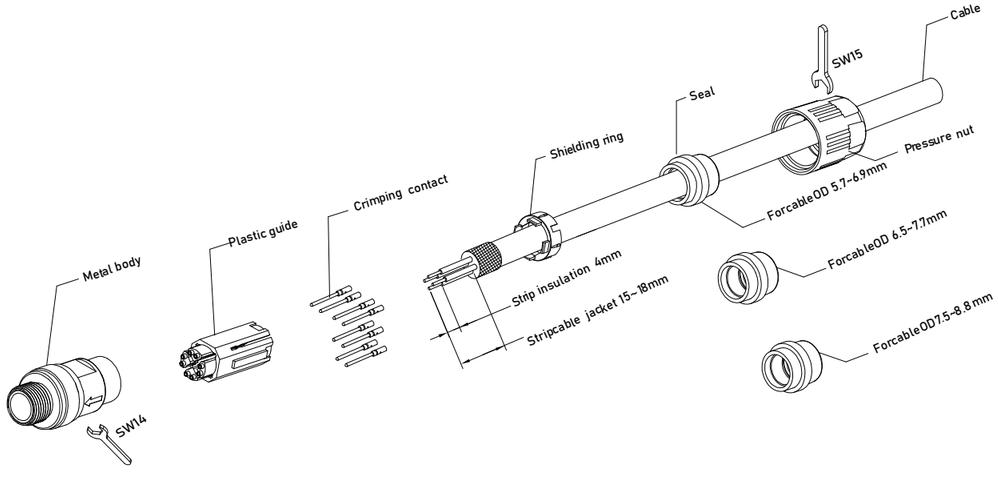
CableOD: 4~6mm OD: 6~8mm



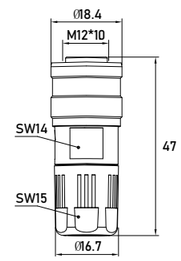
Connector Technical data	
Contacts No.	8Pin
Front View	
Reference standard	IEC 61076-2-101
Rated current	0.5A
Rated voltage	50V
Impulse voltage	800V
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended：0.6 Nm，Max：1.0 Nm
Termination	Crimping
Wire gauge	0.14mm² (26AWG)
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Contacts carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM/ Silicon
Protection degree	IP67, IP68, IP69K
Pollution degree	3
EMC Shielding	Shielded

Ordering No.	
Poles	Male
8 Pin	EPIC MC08A1LCXSB
	7433507117

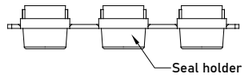
Assembly Instruction



M12 X-Code 8Pin Male, Field wireable connector, Crimping termination, Push-Pull



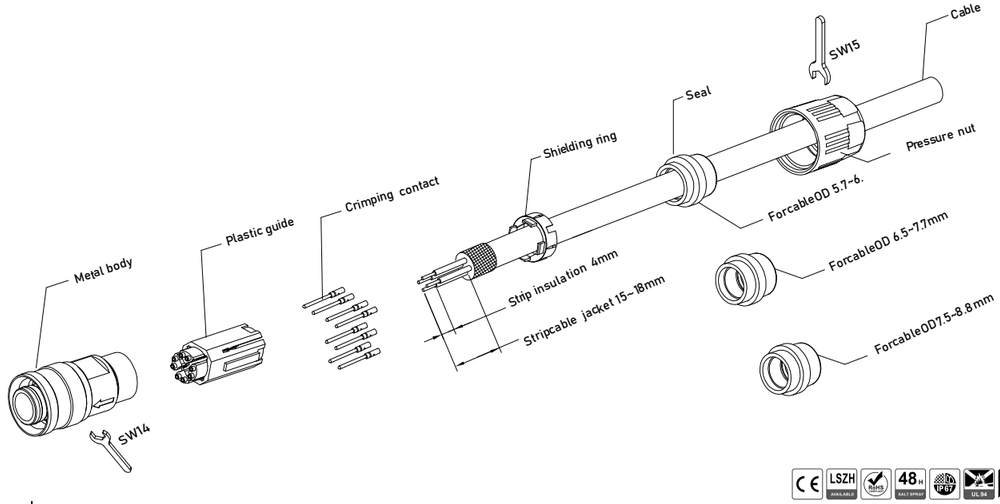
CableOD: 4~6mm OD: 6~8mm



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V
Impulse voltage	800V
Locking system	Push-Pull
Tightening torque	N/A
Termination	Crimping
Wire gauge	0.14mm² (26AWG)
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Contacts carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM/ Silicon
Protection degree	IP67, IP68, IP69K
Pollution degree	3
EMC Shielding	Shielded

Ordering No.	
Poles	Male
8 Pin	EPIC MC08A1LCXSBP
	7433507118

Assembly Instruction



M12 T-Adapter & Y-Splitters

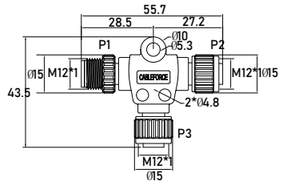
Waterproof Connectors, Highly Tailor-made Cable Solution. !
www.cableforce.cn

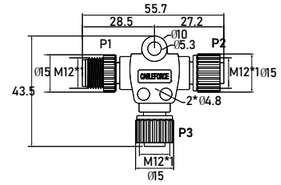
The M12 Adapter and Splitters splits wires into 2 to 5 separate connectors, allowing installation of more single-channel input or output devices to each port of devices. Connectors are available with parallel circuits, which allow input or output signals to runor trigger devices simultaneously， designed for Devicenet, CAN Bus, Profibus, NMEA 2000 cablings.

M12
T-Adapter & Y-Splitters

- 3P, 4P, 5P, 8Pin are available
- Operating voltage: 250V, 60V,
- Rated current: 4A, 2A
- Temperature range: -40°C ~ + 80°C
- Protection degree IP67

M12 T-Connector, Male to Female x 2

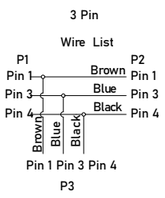


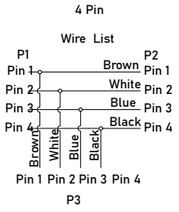


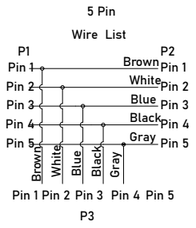
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass/Nylon plastic					
Contact	Brass Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

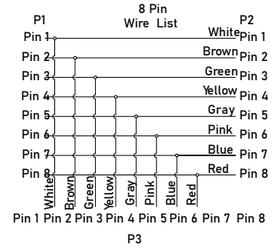
Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03T-MFFAB	EPIC MC04T-MFFAB	EPIC MC05T-MFFAB	EPIC MC08T-MFFAB	EPIC MC03T-MFFAP	EPIC MC04T-MFFAP	EPIC MC05T-MFFAP	EPIC MC08T-MFFAP
	7433507221	7433507222	7433507223	7433507224	7433507227	7433507228	7433507229	7433507231
B-Code			EPIC MC05T-MFFBB				EPIC MC05T-MFFBP	
			7433507225				7433507230	
D-Code	EPIC MC04T-MFFDSB (Shielded)							
		7433507226						

Wiring Diagram

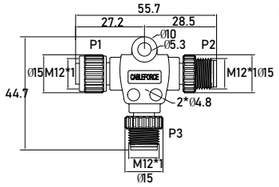


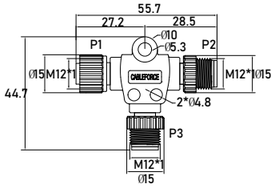






M12 T-Connector, Female to Male x 2

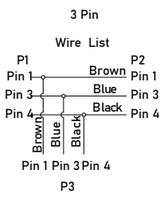


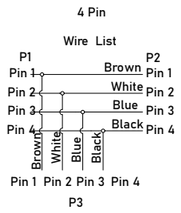


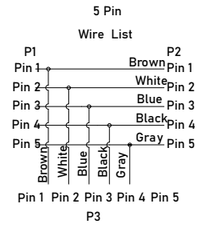
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass/Nylon plastic					
Contact	Brass ; Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

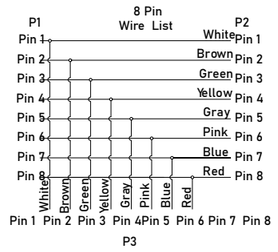
Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03T-FMMAB	EPIC MC04T-FMMAB	EPIC MC05T-FMMAB	EPIC MC08T-FMMAB	EPIC MC03T-FMMAP	EPIC MC04T-FMMAP	EPIC MC05T-FMMAP	EPIC MC08T-FMMAP
	7433507232	7433507233	7433507234	7433507235	7433507238	7433507239	7433507240	7433507242
B-Code			EPIC MC05T-FMMBB				EPIC MC05T-FMMBP	
			7433507236				7433507241	
D-Code	EPIC MC04T-FMMDSB (Shielded)							
	7433507237							

Wiring Diagram

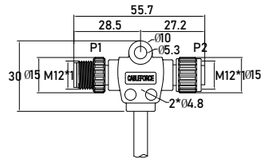


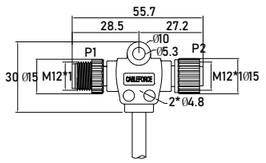






M12 Power-Tap, Male to Female, Molded Cable

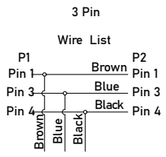


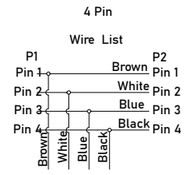


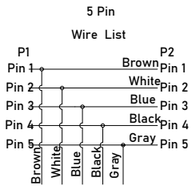
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Brass ; Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

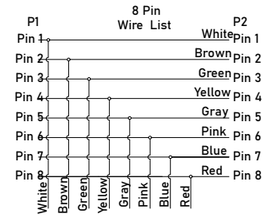
Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03T6-CMFAB	EPIC MC04T6-CMFAB	EPIC MC05T6-CMFAB	EPIC MC08T6-CMFAB	EPIC MC03T6-CMFAP	EPIC MC04T6-CMFAP	EPIC MC05T6-CMFAP	EPIC MC08T6-CMFAP
	7433507243	7433507244	7433507245	7433507246	7433507249	7433507250	7433507251	7433507253
B-Code			EPIC MC05T6-CMFBB				EPIC MC05T6-CMFBP	
			7433507247				7433507252	
D-Code	EPIC MC04T6-CMFDSB (Shielded)							
	7433507248							

Wiring Diagram

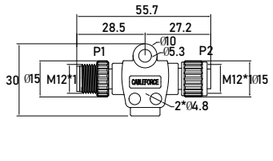


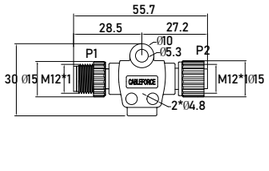






M12 Terminator, Male to Female, Molded 120 Ohm Resistor

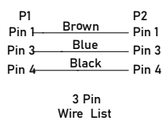


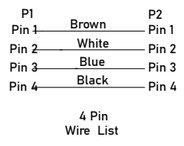


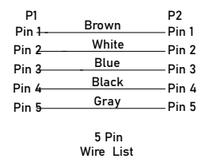
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V			60V	30V	
Impulse voltage	2500V			1500V	800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated / PA66 + GF					
Contact	Brass ; Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

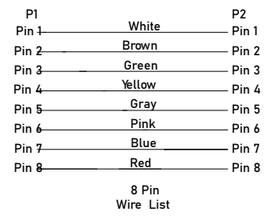
Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03TLAB	EPIC MC04TLAB	EPIC MC05TLAB	EPIC MC08TLAB	EPIC MC03TLAP	EPIC MC04TLAP	EPIC MC05TLAP	EPIC MC08TLAP
	7433507254	7433507255	7433507256	7433507257	7433507260	7433507261	7433507262	7433507264
B-Code			EPIC MC05TLBB				EPIC MC05TLBP	
			7433507258				7433507263	
D-Code	EPIC MC04TLDSB (Shielded)							
	7433507259							

Wiring Diagram

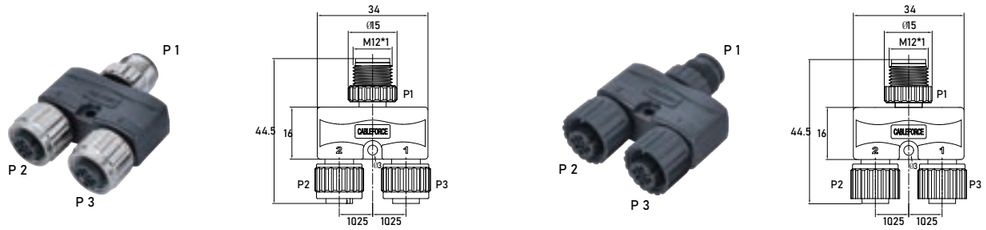


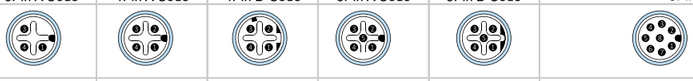






M12 Y-Splitter, Male to Female x 2

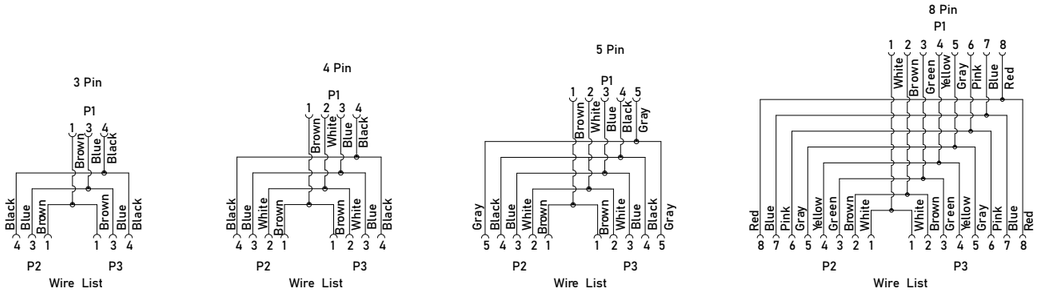


Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standa	IEC 61076-2-101					
Rated current	4A					2A
Rated voltage	250V			60V		30V
Impulse voltage	2500V			1500V		800V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm					
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C					
Insulation resistar	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass/Nylon plastic;					
Contact	Brass；Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

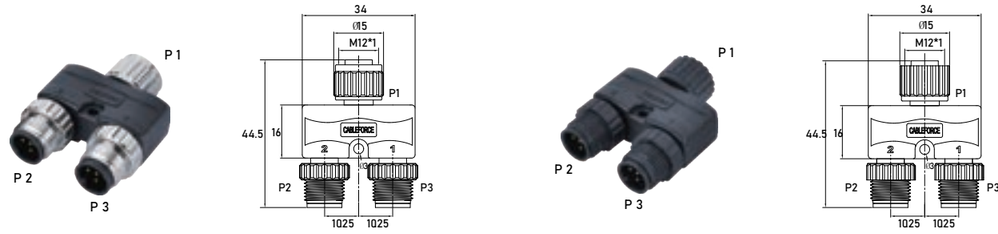
Ordering No.

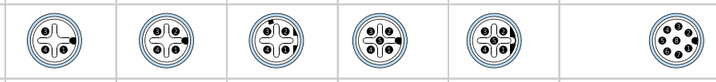
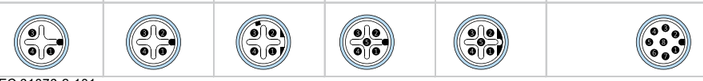
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y-MFFAB	EPIC MC04Y-MFFAB	EPIC MC05Y-MFFAB	EPIC MC08Y-MFFAB	EPIC MC03Y-MFFAP	EPIC MC04Y-MFFAP	EPIC MC05Y-MFFAP	EPIC MC08Y-MFFAP
	7433507265	7433507266	7433507267	7433507268	7433507271	7433507272	7433507273	7433507275
B-Code			EPIC MC05Y-MFFBB				EPIC MC05Y-MFFBP	
			7433507269				7433507274	
D-Code	EPIC MC04Y-MFFDSB (Shielded)							
	7433507270							

Wiring Diagram



M12 Y-Splitter, Female to Male x 2

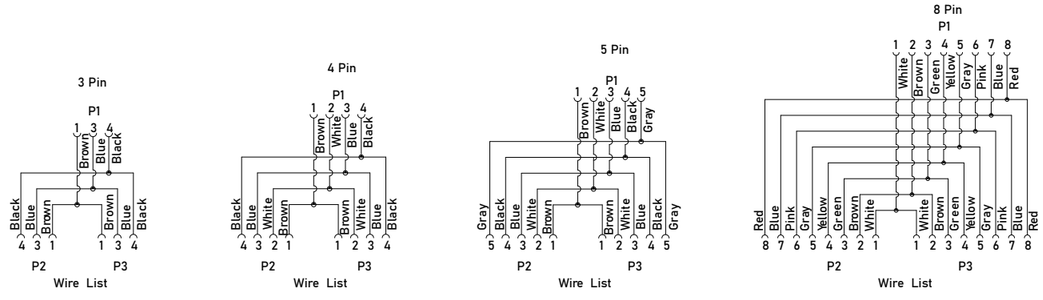


Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standa	IEC 61076-2-101					
Rated current	4A					2A
Rated voltage	250V			60V		30V
Impulse voltage	2500V			1500V		800V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm					
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C					
Insulation resistar	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass/Nylon plastic;					
Contact	Brass ；Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

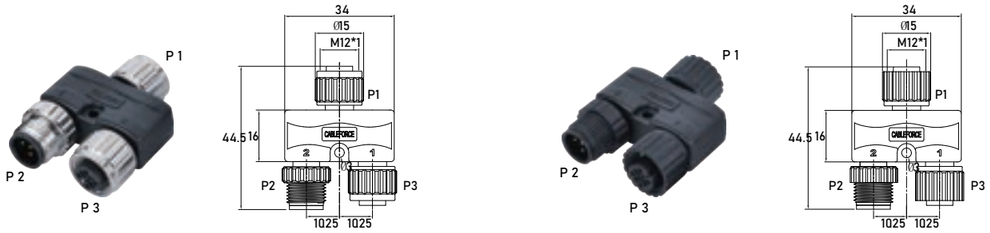
Ordering No.

Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y-FMMAB	EPIC MC04Y-FMMAB	EPIC MC05Y-FMMAB	EPIC MC08Y-FMMAB	EPIC MC03Y-FMMAP	EPIC MC04Y-FMMAP	EPIC MC05Y-FMMAP	EPIC MC08Y-FMMAP
	7433507276	7433507277	7433507278	7433507279	7433507282	7433507283	7433507284	7433507286
B-Code			EPIC MC05Y-FMMBB				EPIC MC05Y-FMMBP	
			7433507280				7433507285	
D-Code	EPIC MC04Y-FMMDSB (Shielded)							
	7433507281							

Wiring Diagram



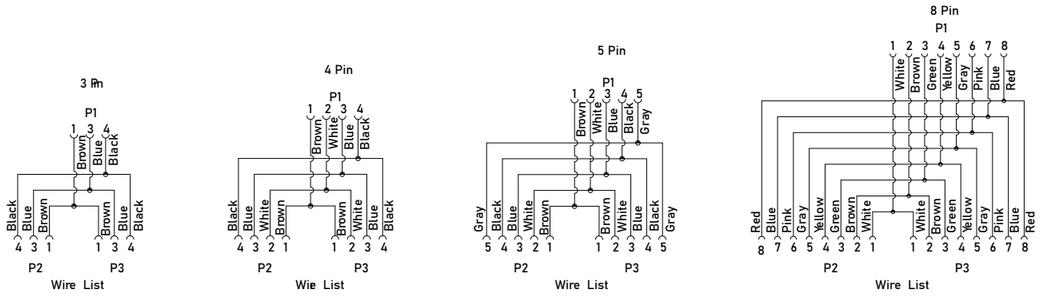
M12 Y-Splitter, Female to Male/ Female



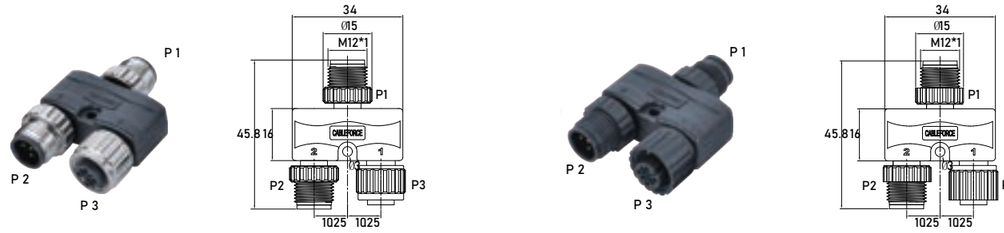
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm					
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass/Nylon plastic					
Contact	Brass ；Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y-FMFAB	EPIC MC04Y-FMFAB	EPIC MC05Y-FMFAB	EPIC MC08Y-FMFAB	EPIC MC03Y-FMFAP	EPIC MC04Y-FMFAP	EPIC MC05Y-FMFAP	EPIC MC08Y-FMFAP
	7433507287	7433507288	7433507289	7433507290	7433507293	7433507294	7433507295	7433507297
B-Code			EPIC MC05Y-FMFBB				EPIC MC05Y-FMFBP	
			7433507291				7433507296	
D-Code	EPIC MC04Y-FMFDSB (Shielded)							
	7433507292							

Wiring Diagram



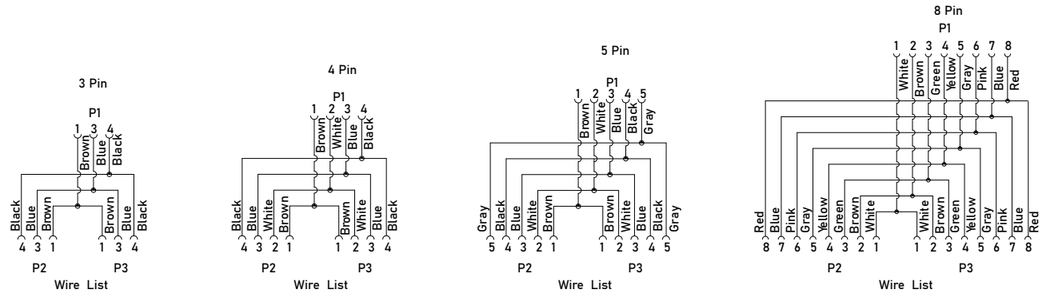
M12 Y-Splitter, Male to Male/ Female



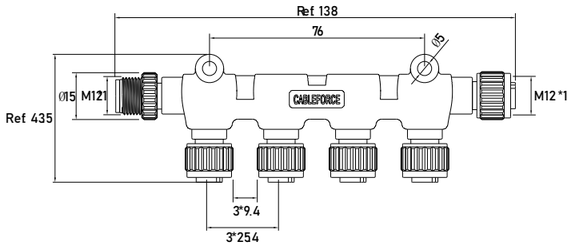
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend：0.4Nm，Max：0.8Nm					
Rated temperature	Flexible –25 °C ... +80 °C，Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass/Nylon plastic;					
Contact	Brass ；Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y-MMFAB	EPIC MC04Y-MMFAB	EPIC MC05Y-MMFAB	EPIC MC08Y-MMFAB	EPIC MC03Y-MMFAP	EPIC MC04Y-MMFAP	EPIC MC05Y-MMFAP	EPIC MC08Y-MMFAP
	7433507298	7433507299	7433507300	7433507301	7433507304	7433507305	7433507306	7433507308
B-Code			EPIC MC05Y-MMFBB				EPIC MC05Y-MMFBP	
			7433507302				7433507307	
D-Code	EPIC MC04Y-MMFDSB (Shielded)							
	7433507303							

Wiring Diagram



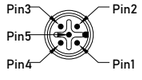
M12 5Pin 4 Way T-Connector



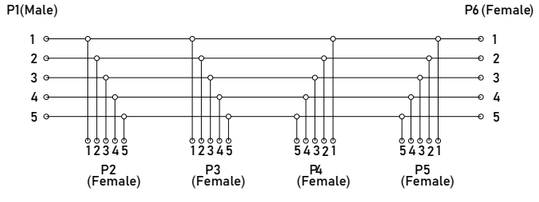
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A					
Rated voltage	250V			60V		
Impulse voltage	2500V			1500V		
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Brass ; Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

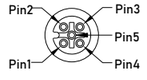
Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03T5-AB	EPIC MC04T5-AB	EPIC MC05T5-AB	EPIC MC08T5-AB	EPIC MC03T5-ASB	EPIC MC04T5-ASB	EPIC MC05T5-ASB	EPIC MC08T5-ASB
	7433507309	7433507310	7433507311	7433507312	7433507315	7433507316	7433507318	7433507320
B-Code			EPIC MC05T5-BB				EPIC MC05T5-BSB	
			7433507313				7433507319	
D-Code	EPIC MC04T5-DB					EPIC MC04T5-DSB		
	7433507314					7433507317		

Wiring Diagram



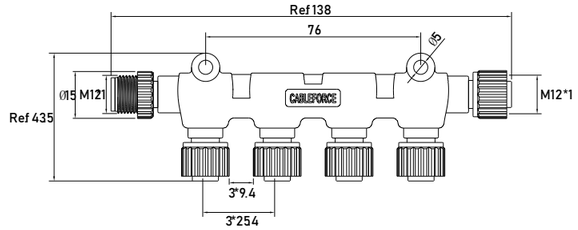
Pin Assignment
Front View
M12male A-Coding 5 Pin





Pin Assignment
Front View
M12female A-Coding 5 Pin

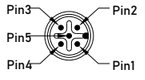
M12 5Pin 4 Way T-Connector, Plastic



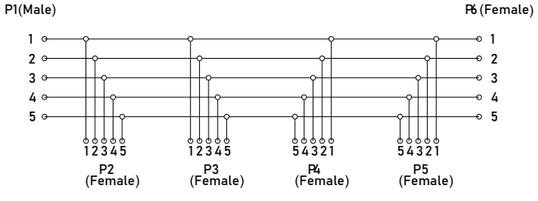
Connector Technical data					
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A				2A
Rated voltage	250V		60V		30V
Impulse voltage	2500V		1500V		800V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm				
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Connector body	TPU				
Contact carrier	TPU + GF				
Screw nut	PA66 + GF				
Contact	Brass ; Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM/ Silicon O-Ring				
Protection degree	IP67, IP68				
Pollution degree	3				

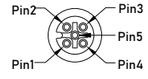
Ordering No.				
Coding	Un-Shielded			
	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03T5-AP	EPIC MC04T5-AP	EPIC MC05T5-AP	EPIC MC08T5-AP
	7433507321	7433507322	7433507324	7433507326
B-Code			EPIC MC05T5-BP	
			7433507325	
D-Code		EPIC MC04T5-DP		
		7433507323		

Wiring Diagram



Pin Assignment
Front View
M12male A-Coding 5 Pin





Pin Assignment
Front View
M12female A-Coding 5 Pin

M16 Circular connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !
www.cableforce.cn

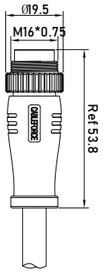
CABLEFORCE M16 circualr connectors designed for both signal and power application. Its metal shielded body is highly resistant to harsh condition industrial environment. CABLEFORCE offers M16 cable assembly, M16 field wireable connector, and panel mount connectors with solder cups.

M16
Circular connectors

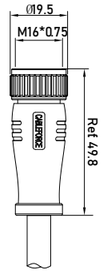
- Degree of protection IP 67
- 2P, 3P, 4P, 5P, 6P, 7P, 8P, 9P, 12P are available
- Operating voltage: 630V, 300V, 250V
- Current rating: 20A, 16A, 12A, 8A, 4A
- Metal Shieldede Housing

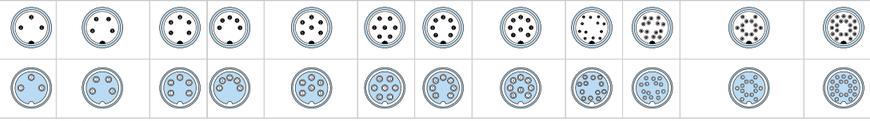
M16 male/ female, single ended, straight, molded cable, EMI-Shielded

Male



Female

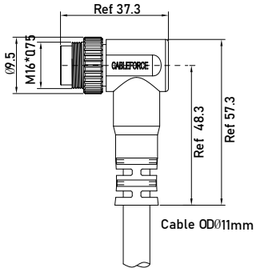


Connector Technical data												
Contacts No.	3Pin	4Pin	5Pin A	5Pin B	6Pin	7Pin A	7Pin B	8Pin	12Pin	14Pin A	14Pin B	19Pin
Front View												
Reference standard	IEC 61076-2-106											
Rated current	12A		8A						4A			1.5A
Rated voltage	600V		300V			125V			60V			30V
Impulse voltage	1500V			800V	1500V	800V						
Locking system	M16 x 0.75mm screw											
Tightening torque	Recommended：1.0 Nm，Max：1.2 Nm											
Termination	Soldering											
Wire gauge	1.5mm² (16AWG)		0.75mm² (18AWG)						0.34mm² (22AWG)			0.14mm² (26AWG)
Rated termperature	Flexible: -25 ~ 80 ；Static: -40 ~ 80											
Insulation resistance	> 100MΩ											
Contact resistance	< 5mΩ											
Over-molding	TPU											
Contacts carrier	PA66 + GF											
Screw nut	Brass, CNC, nickel-plated											
Contacts	Male: Brass，PE Pin: Phosphor bronze											
Contacts plating	Au (Gold)											
O-Ring	FKM/ Silicon											
Protection degree	IP67, IP68, IP69K											
Pollution degree	3											
EMC Shielding	Shielded											

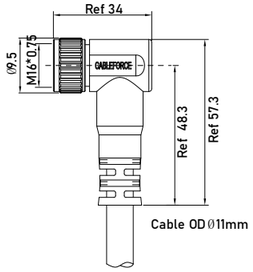
Ordering No.																
Poles	Cable length	Male						Female								
		PVC (Cable)				PUR (Cable)			PVC (Cable)				PUR (Cable)			
3 Pin	1.0 m	EPIC MD03C1LSASB-16CK10	7433504020			EPIC MD03C1LSASB-16RK10	7433504022		EPIC MD03C2LSASB-16CK10	7433504068			EPIC MD03C2LSASB-16RK10	7433504070		
	3.0 m	EPIC MD03C1LSASB-16CK30	7433504021			EPIC MD03C1LSASB-16RK30	7433504023		EPIC MD03C2LSASB-16CK30	7433504069			EPIC MD03C2LSASB-16RK30	7433504071		
4 Pin	1.0 m	EPIC MD04C1LSASB-16CK10	7433504024			EPIC MD04C1LSASB-16RK10	7433504026		EPIC MD04C2LSASB-16CK10	7433504072			EPIC MD04C2LSASB-16RK10	7433504074		
	3.0 m	EPIC MD04C1LSASB-16CK30	7433504025			EPIC MD04C1LSASB-16RK30	7433504027		EPIC MD04C2LSASB-16CK30	7433504073			EPIC MD04C2LSASB-16RK30	7433504075		
5 Pin a	1.0 m	EPIC MD05aC1LSASB-18CK10	7433504028			EPIC MD05aC1LSASB-18RK10	7433504030		EPIC MD05aC2LSASB-18CK10	7433504076			EPIC MD05aC2LSASB-18RK10	7433504078		
	3.0 m	EPIC MD05aC1LSASB-18CK30	7433504029			EPIC MD05aC1LSASB-18RK30	7433504031		EPIC MD05aC2LSASB-18CK30	7433504077			EPIC MD05aC2LSASB-18RK30	7433504079		
5 Pin b	1.0 m	EPIC MD05bC1LSASB-18CK10	7433504032			EPIC MD05bC1LSASB-18RK10	7433504034		EPIC MD05bC2LSASB-18CK10	7433504080			EPIC MD05bC2LSASB-18RK10	7433504082		
	3.0 m	EPIC MD05bC1LSASB-18CK30	7433504033			EPIC MD05bC1LSASB-18RK30	7433504035		EPIC MD05bC2LSASB-18CK30	7433504081			EPIC MD05bC2LSASB-18RK30	7433504083		
6 Pin	1.0 m	EPIC MD06C1LSASB-18CK10	7433504036			EPIC MD06C1LSASB-18RK10	7433504038		EPIC MD06C2LSASB-18CK10	7433504084			EPIC MD06C2LSASB-18RK10	7433504086		
	3.0 m	EPIC MD06C1LSASB-18CK30	7433504037			EPIC MD06C1LSASB-18RK30	7433504039		EPIC MD06C2LSASB-18CK30	7433504085			EPIC MD06C2LSASB-18RK30	7433504087		
7 Pin a	1.0 m	EPIC MD07aC1LSASB-18CK10	7433504040			EPIC MD07aC1LSASB-18RK10	7433504042		EPIC MD07aC2LSASB-18CK10	7433504088			EPIC MD07aC2LSASB-18RK10	7433504090		
	3.0 m	EPIC MD07aC1LSASB-18CK30	7433504041			EPIC MD07aC1LSASB-18RK30	7433504043		EPIC MD07aC2LSASB-18CK30	7433504089			EPIC MD07aC2LSASB-18RK30	7433504091		
7 Pin b	1.0 m	EPIC MD07bC1LSASB-18CK10	7433504044			EPIC MD07bC1LSASB-18RK10	7433504046		EPIC MD07bC2LSASB-18CK10	7433504092			EPIC MD07bC2LSASB-18RK10	7433504094		
	3.0 m	EPIC MD07bC1LSASB-18CK30	7433504045			EPIC MD07bC1LSASB-18RK30	7433504047		EPIC MD07bC2LSASB-18CK30	7433504093			EPIC MD07bC2LSASB-18RK30	7433504095		
8 Pin	1.0 m	EPIC MD08C1LSASB-18CK10	7433504048			EPIC MD08C1LSASB-18RK10	7433504050		EPIC MD08C2LSASB-18CK10	7433504096			EPIC MD08C2LSASB-18RK10	7433504098		
	3.0 m	EPIC MD08C1LSASB-18CK30	7433504049			EPIC MD08C1LSASB-18RK30	7433504051		EPIC MD08C2LSASB-18CK30	7433504097			EPIC MD08C2LSASB-18RK30	7433504099		
12 Pin	1.0 m	EPIC MD12C1LSASB-22CK10	7433504052			EPIC MD12C1LSASB-22RK10	7433504054		EPIC MD12C2LSASB-22CK10	7433504100			EPIC MD12C2LSASB-22RK10	7433504102		
	3.0 m	EPIC MD12C1LSASB-22CK30	7433504053			EPIC MD12C1LSASB-22RK30	7433504055		EPIC MD12C2LSASB-22CK30	7433504101			EPIC MD12C2LSASB-22RK30	7433504103		
14 Pin a	1.0 m	EPIC MD14aC1LSASB-22CK10	7433504056			EPIC MD14aC1LSASB-22RK10	7433504058		EPIC MD14aC2LSASB-22CK10	7433504104			EPIC MD14aC2LSASB-22RK10	7433504106		
	3.0 m	EPIC MD14aC1LSASB-22CK30	7433504057			EPIC MD14aC1LSASB-22RK30	7433504059		EPIC MD14aC2LSASB-22CK30	7433504105			EPIC MD14aC2LSASB-22RK30	7433504107		
14 Pin b	1.0 m	EPIC MD14bC1LSASB-22CK10	7433504060			EPIC MD14bC1LSASB-22RK10	7433504062		EPIC MD14bC2LSASB-22CK10	7433504108			EPIC MD14bC2LSASB-22RK10	7433504110		
	3.0 m	EPIC MD14bC1LSASB-22CK30	7433504061			EPIC MD14bC1LSASB-22RK30	7433504063		EPIC MD14bC2LSASB-22CK30	7433504109			EPIC MD14bC2LSASB-22RK30	7433504111		
19 Pin	1.0 m	EPIC MD19C1LSASB-26CK10	7433504064			EPIC MD19C1LSASB-26RK10	7433504066		EPIC MD19C2LSASB-26CK10	7433504112			EPIC MD19C2LSASB-26RK10	7433504114		
	3.0 m	EPIC MD19C1LSASB-26CK30	7433504065			EPIC MD19C1LSASB-26RK30	7433504067		EPIC MD19C2LSASB-26CK30	7433504113			EPIC MD19C2LSASB-26RK30	7433504115		

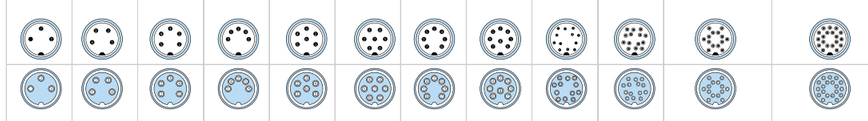
M16 male/ female, single ended, right angled, molded cable, EMI-Shielded

Male



Female

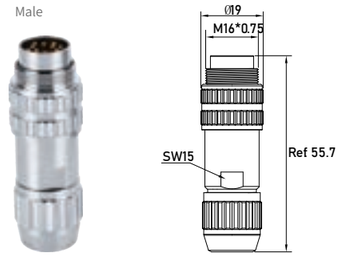


Connector Technical data												
Contacts No.	3Pin	4Pin	5Pin A	5Pin B	6Pin	7Pin A	7Pin B	8Pin	12Pin	14Pin A	14Pin B	19Pin
Front View												
Reference standard	IEC 61076-2-106											
Rated current	12A		8A						4A			1.5A
Rated voltage	600V		300V			125V			60V			30V
Impulse voltage	1500V			800V	1500V	800V						
Locking system	M16 x 0.75mm screw											
Tightening torque	Recommended：1.0 Nm，Max：1.2 Nm											
Termination	Soldering											
Wire gauge	1.5mm² (16AWG)		0.75mm² (18AWG)						0.34mm² (22AWG)			0.14mm² (26AWG)
Rated termperature	Flexible: -25 ~ 80 ；Static : -40 ~ 80											
Insulation resistance	> 100MΩ											
Contact resistance	< 5mΩ											
Over-molding	TPU											
Contacts carrier	PA66 + GF											
Screw nut	Brass, CNC, nickel-plated											
Contacts	Male: Brass，PE Pin: Phosphor bronze											
Contacts plating	Au (Gold)											
O-Ring	FKM/ Silicon											
Protection degree	IP67, IP68, IP69K											
Pollution degree	3											
EMC Shielding	Shielded											

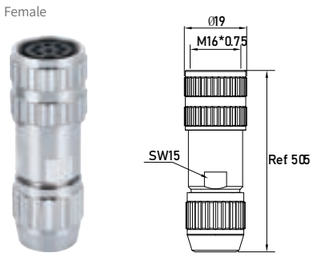
Ordering No.																
Poles	Cable length	Male						Female								
		PVC (Cable)				PUR (Cable)			PVC (Cable)				PUR (Cable)			
3 Pin	1.0 m	EPIC MD03C1RSASB-16CK10	7433504116			EPIC MD03C1RSASB-16RK10	7433504118		EPIC MD03C2RSASB-16CK10	7433504164			EPIC MD03C2RSASB-16RK10	7433504166		
	3.0 m	EPIC MD03C1RSASB-16CK30	7433504117			EPIC MD03C1RSASB-16RK30	7433504119		EPIC MD03C2RSASB-16CK30	7433504165			EPIC MD03C2RSASB-16RK30	7433504167		
4 Pin	1.0 m	EPIC MD04C1RSASB-16CK10	7433504120			EPIC MD04C1RSASB-16RK10	7433504122		EPIC MD04C2RSASB-16CK10	7433504168			EPIC MD04C2RSASB-16RK10	7433504170		
	3.0 m	EPIC MD04C1RSASB-16CK30	7433504121			EPIC MD04C1RSASB-16RK30	7433504123		EPIC MD04C2RSASB-16CK30	7433504169			EPIC MD04C2RSASB-16RK30	7433504171		
5 Pin a	1.0 m	EPIC MD05aC1RSASB-18CK10	7433504124			EPIC MD05aC1RSASB-18RK10	7433504126		EPIC MD05aC2RSASB-18CK10	7433504172			EPIC MD05aC2RSASB-18RK10	7433504174		
	3.0 m	EPIC MD05aC1RSASB-18CK30	7433504125			EPIC MD05aC1RSASB-18RK30	7433504127		EPIC MD05aC2RSASB-18CK30	7433504173			EPIC MD05aC2RSASB-18RK30	7433504175		
5 Pin b	1.0 m	EPIC MD05bC1RSASB-18CK10	7433504128			EPIC MD05bC1RSASB-18RK10	7433504130		EPIC MD05bC2RSASB-18CK10	7433504176			EPIC MD05bC2RSASB-18RK10	7433504178		
	3.0 m	EPIC MD05bC1RSASB-18CK30	7433504129			EPIC MD05bC1RSASB-18RK30	7433504131		EPIC MD05bC2RSASB-18CK30	7433504177			EPIC MD05bC2RSASB-18RK30	7433504179		
6 Pin	1.0 m	EPIC MD06C1RSASB-18CK10	7433504132			EPIC MD06C1RSASB-18RK10	7433504134		EPIC MD06C2RSASB-18CK10	7433504180			EPIC MD06C2RSASB-18RK10	7433504182		
	3.0 m	EPIC MD06C1RSASB-18CK30	7433504133			EPIC MD06C1RSASB-18RK30	7433504135		EPIC MD06C2RSASB-18CK30	7433504181			EPIC MD06C2RSASB-18RK30	7433504183		
7 Pin a	1.0 m	EPIC MD07aC1RSASB-18CK10	7433504136			EPIC MD07aC1RSASB-18RK10	7433504138		EPIC MD07aC2RSASB-18CK10	7433504184			EPIC MD07aC2RSASB-18RK10	7433504186		
	3.0 m	EPIC MD07aC1RSASB-18CK30	7433504137			EPIC MD07aC1RSASB-18RK30	7433504139		EPIC MD07aC2RSASB-18CK30	7433504185			EPIC MD07aC2RSASB-18RK30	7433504187		
7 Pin b	1.0 m	EPIC MD07bC1RSASB-18CK10	7433504140			EPIC MD07bC1RSASB-18RK10	7433504142		EPIC MD07bC2RSASB-18CK10	7433504188			EPIC MD07bC2RSASB-18RK10	7433504190		
	3.0 m	EPIC MD07bC1RSASB-18CK30	7433504141			EPIC MD07bC1RSASB-18RK30	7433504143		EPIC MD07bC2RSASB-18CK30	7433504189			EPIC MD07bC2RSASB-18RK30	7433504191		
8 Pin	1.0 m	EPIC MD08C1RSASB-18CK10	7433504144			EPIC MD08C1RSASB-18RK10	7433504146		EPIC MD08C2RSASB-18CK10	7433504192			EPIC MD08C2RSASB-18RK10	7433504194		
	3.0 m	EPIC MD08C1RSASB-18CK30	7433504145			EPIC MD08C1RSASB-18RK30	7433504147		EPIC MD08C2RSASB-18CK30	7433504193			EPIC MD08C2RSASB-18RK30	7433504195		
12 Pin	1.0 m	EPIC MD12C1RSASB-22CK10	7433504148			EPIC MD12C1RSASB-22RK10	7433504150		EPIC MD12C2RSASB-22CK10	7433504196			EPIC MD12C2RSASB-22RK10	7433504198		
	3.0 m	EPIC MD12C1RSASB-22CK30	7433504149			EPIC MD12C1RSASB-22RK30	7433504151		EPIC MD12C2RSASB-22CK30	7433504197			EPIC MD12C2RSASB-22RK30	7433504199		
14 Pin a	1.0 m	EPIC MD14aC1RSASB-22CK10	7433504152			EPIC MD14aC1RSASB-22RK10	7433504154		EPIC MD14aC2RSASB-22CK10	7433504200			EPIC MD14aC2RSASB-22RK10	7433504202		
	3.0 m	EPIC MD14aC1RSASB-22CK30	7433504153			EPIC MD14aC1RSASB-22RK30	7433504155		EPIC MD14aC2RSASB-22CK30	7433504201			EPIC MD14aC2RSASB-22RK30	7433504203		
14 Pin b	1.0 m	EPIC MD14bC1RSASB-22CK10	7433504156			EPIC MD14bC1RSASB-22RK10	7433504158		EPIC MD14bC2RSASB-22CK10	7433504204			EPIC MD14bC2RSASB-22RK10	7433504206		
	3.0 m	EPIC MD14bC1RSASB-22CK30	7433504157			EPIC MD14bC1RSASB-22RK30	7433504159		EPIC MD14bC2RSASB-22CK30	7433504205			EPIC MD14bC2RSASB-22RK30	7433504207		
19 Pin	1.0 m	EPIC MD19C1RSASB-26CK10	7433504160			EPIC MD19C1RSASB-26RK10	7433504162		EPIC MD19C2RSASB-26CK10	7433504208			EPIC MD19C2RSASB-26RK10	7433504210		
	3.0 m	EPIC MD19C1RSASB-26CK30	7433504161			EPIC MD19C1RSASB-26RK30	7433504163		EPIC MD19C2RSASB-26CK30	7433504209			EPIC MD19C2RSASB-26RK30	7433504211		

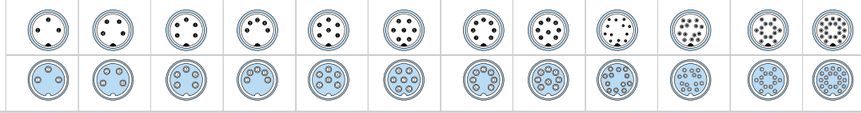
M16 Male/ Female, Field Wireable Connector, EMI-Shielded

Male



Female

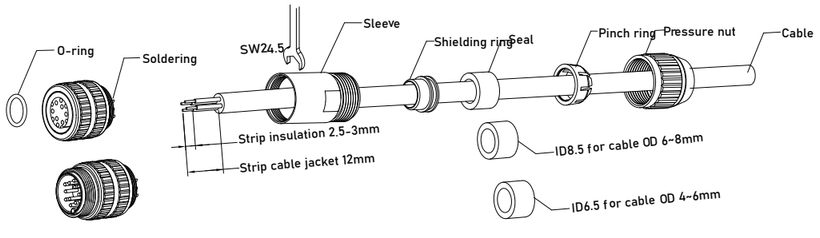


Connector Technical data												
Contacts No.	3Pin	4Pin	5Pin A	5Pin B	6Pin	7Pin A	7Pin B	8Pin	12Pin	14Pin A	14Pin B	19Pin
Front View												
Reference standard	IEC 61076-2-106											
Rated current	12A		8A						4A			1.5A
Rated voltage	600V		300V			125V			60V			30V
Impulse voltage	1500V			800V	1500V		800V					
Locking system	M16 x 1.0mm screw											
Tightening torque	Recommended：1.0 Nm，Max：1.2 Nm,Wire screw : 0.4Nm, Cable gland: 0.8~1.2Nm											
Termination	Soldering											
Wire gauge	1.5mm² (16AWG)		0.75mm² (18AWG)						0.34mm² (22AWG)			0.14mm² (26AWG)
Cable outlet	PG7 (4~6mm)，PG9 (6~8mm)											
Rated termperature	–40 °C ... +85 °C											
Insulation resistance	⩾100MΩ											
Contact resistance	⩽ 5mΩ											
Over-molding	Brass/ Zinc Die-cast											
Contacts carrier	PA66 + GF											
Screw nut	Brass, CNC, nickel-plated											
Contacts	Male: Brass, PE Pin: Phosphor bronze											
Contacts plating	Au (Gold)											
O-Ring	FKM/NBR											
Protection degree	IP67, IP68											
Pollution degree	3											

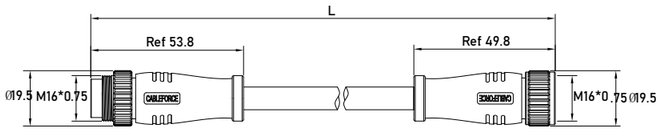
Ordering No.

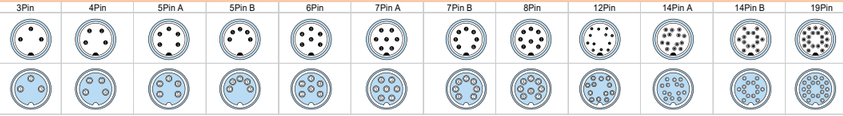
Poles	Male		Female	
3 Pin	EPIC MD03A1LSASB		EPIC MD03A2LSASB	1
4 Pin	EPIC MD04A1LSASB	2	EPIC MD04A2LSASB	3
5 Pin a	EPIC MD05aA1LSASB	4	EPIC MD05aA2LSASB	5
5 Pin b	EPIC MD05bA1LSASB	6	EPIC MD05bA2LSASB	7
6 Pin	EPIC MD06A1LSASB	8	EPIC MD06A2LSASB	9
7 Pin a	EPIC MD07aA1LSASB	10	EPIC MD07aA2LSASB	11
7 Pin b	EPIC MD07bA1LSASB	12	EPIC MD07bA2LSASB	13
8 Pin	EPIC MD08A1LSASB	14	EPIC MD08A2LSASB	15
12 Pin	EPIC MD12A1LSASB	16	EPIC MD12A2LSASB	17
14 Pin a	EPIC MD14aA1LSASB	18	EPIC MD14aA2LSASB	19
14 Pin b	EPIC MD14bA1LSASB	20	EPIC MD14bA2LSASB	21
19 Pin	EPIC MD19A1LSASB	22	EPIC MD19A2LSASB	23

Assembly Instruction



M16 male/ female, single ended, molded cable, EMI-Shielded

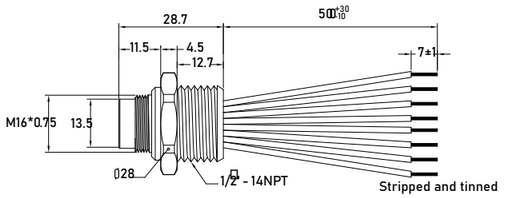


Connector Technical data												
Contacts No.	3Pin	4Pin	5Pin A	5Pin B	6Pin	7Pin A	7Pin B	8Pin	12Pin	14Pin A	14Pin B	19Pin
Front View												
Reference standard	IEC 61076-2-106											
Rated current	12A		8A						4A			1.5A
Rated voltage	600V		300V			125V			60V			30V
Impulse voltage	1500V			800V	1500V		800V					
Locking system	M16 x 1.0mm screw											
Tightening torque	Recommended：1.0 Nm，Max：1.2 Nm											
Termination	Soldering											
Wire gauge	1.5mm² (16AWG)		0.75mm² (18AWG)						0.34mm² (22AWG)			0.14mm² (26AWG)
Rated termperature	–40 °C ... +105 °C, –25 °C ... +80 °C											
Insulation resistance	⩾100MΩ											
Contact resistance	⩽ 5mΩ											
Over-molding	TPU											
Contacts carrier	PA66 + GF											
Screw nut	Brass, CNC, nickel-plated											
Contacts	Brass											
Contacts plating	Au (Gold)											
O-Ring	FKM/NBR											
Protection degree	IP67, IP68											
Pollution degree	3											

Ordering No.

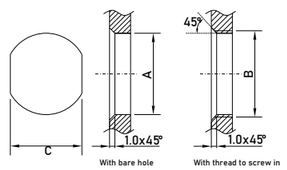
Poles	Cable length	PVC (Cable)		PUR (Cable)	
3 Pin	1.0 m	EPIC MD03C3LSASB-16CK10	7433504212	EPIC MD03C3LSASB-16RK10	7433504214
	3.0 m	EPIC MD03C3LSASB-16CK30	7433504213	EPIC MD03C3LSASB-16RK30	7433504215
4 Pin	1.0 m	EPIC MD04C3LSASB-16CK10	7433504216	EPIC MD04C3LSASB-16RK10	7433504218
	3.0 m	EPIC MD04C3LSASB-16CK30	7433504217	EPIC MD04C3LSASB-16RK30	7433504219
5 Pin a	1.0 m	EPIC MD05aC3LSASB-18CK10	7433504220	EPIC MD05aC3LSASB-18RK10	7433504222
	3.0 m	EPIC MD05aC3LSASB-18CK30	7433504221	EPIC MD05aC3LSASB-18RK30	7433504223
5 Pin b	1.0 m	EPIC MD05bC3LSASB-18CK10	7433504224	EPIC MD05bC3LSASB-18RK10	7433504226
	3.0 m	EPIC MD05bC3LSASB-18CK30	7433504225	EPIC MD05bC3LSASB-18RK30	7433504227
6 Pin	1.0 m	EPIC MD06C3LSASB-18CK10	7433504228	EPIC MD06C3LSASB-18RK10	7433504230
	3.0 m	EPIC MD06C3LSASB-18CK30	7433504229	EPIC MD06C3LSASB-18RK30	7433504231
7 Pin a	1.0 m	EPIC MD07aC3LSASB-18CK10	7433504232	EPIC MD07aC3LSASB-18RK10	7433504234
	3.0 m	EPIC MD07aC3LSASB-18CK30	7433504233	EPIC MD07aC3LSASB-18RK30	7433504235
7 Pin b	1.0 m	EPIC MD07bC3LSASB-18CK10	7433504236	EPIC MD07bC3LSASB-18RK10	7433504238
	3.0 m	EPIC MD07bC3LSASB-18CK30	7433504237	EPIC MD07bC3LSASB-18RK30	7433504239
8 Pin	1.0 m	EPIC MD08C3LSASB-18CK10	7433504240	EPIC MD08C3LSASB-18RK10	7433504242
	3.0 m	EPIC MD08C3LSASB-18CK30	7433504241	EPIC MD08C3LSASB-18RK30	7433504243
12 Pin	1.0 m	EPIC MD12C3LSASB-22CK10	7433504244	EPIC MD12C3LSASB-22RK10	7433504246
	3.0 m	EPIC MD12C3LSASB-22CK30	7433504245	EPIC MD12C3LSASB-22RK30	7433504247
14 Pin a	1.0 m	EPIC MD14aC3LSASB-22CK10	7433504248	EPIC MD14aC3LSASB-22RK10	7433504250
	3.0 m	EPIC MD14aC3LSASB-22CK30	7433504249	EPIC MD14aC3LSASB-22RK30	7433504251
14 Pin b	1.0 m	EPIC MD14bC3LSASB-22CK10	7433504252	EPIC MD14bC3LSASB-22RK10	7433504254
	3.0 m	EPIC MD14bC3LSASB-22CK30	7433504253	EPIC MD14bC3LSASB-22RK30	7433504255
19 Pin	1.0 m	EPIC MD19C3LSASB-26CK10	7433504256	EPIC MD19C3LSASB-26RK10	7433504258
	3.0 m	EPIC MD19C3LSASB-26CK30	7433504257	EPIC MD19C3LSASB-26RK30	7433504259

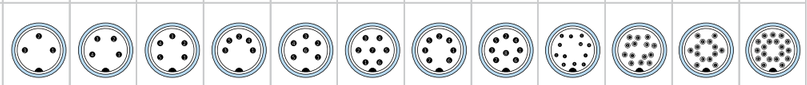
M16 male panel connector, front/ rear mount, PCB Contacts



Recommended Panel Cut-out

Chassis side	M18*0.75
A	$18.1^{+0.1}_{-0}$
B	M18*0.75
C	$16.9^{+0.1}_{-0}$

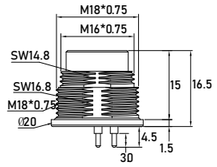


Connector Technical data													
Contacts No.	3Pin	4Pin	5Pin A	5Pin B	6Pin	7Pin A	7Pin B	8Pin	12Pin	14Pin A	14Pin B	19Pin	
Front View													
Reference Standard	IEC 61076-2-106												
Rated current	12A		8A						4A			1.5A	
Rated voltage	600V		300V			125V			60V			30V	
Impulse voltage	1500V			800V	1500V		800V						
Locking system	M16 x 1.0mm screw												
Tightening Torque	Recommended：1.2 Nm，Max：1.5 Nm												
Termination	PCB Dip Soldering												
Rated temperature	–25 °C ... +70 °C												
Insulation resistance	⩾100MΩ												
Contact resistance	⩽ 5mΩ												
Contact carrier	PA66 + GF												
Screw nut	Brass, CNC, nickel-plated												
Contact	Brass												
Contacts plating	Au (Gold)												
O-ring	FKM/NBR												
Protecton degree	IP67, IP68												
Pollution degree	3												

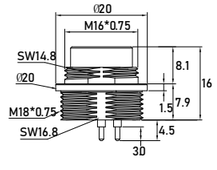
Ordering No.		
Poles	Panel Front Side Fastening	
3 Pin	EPIC MD03P3LSAB-18W05	7433506773
4 Pin	EPIC MD04P3LSAB-18W05	7433506774
5 Pin a	EPIC MD05aP3LSAB-18W05	7433506775
5 Pin b	EPIC MD05bP3LSAB-18W05	7433506776
6 Pin	EPIC MD06P3LSAB-18W05	7433506777
7 Pin a	EPIC MD07aP3LSAB-18W05	7433506778
7 Pin b	EPIC MD07bP3LSAB-18W05	7433506779
8 Pin	EPIC MD08P3LSAB-18W05	7433506780
12 Pin	EPIC MD12P3LSAB-20W05	7433506781
14 Pin a	EPIC MD14aP3LSAB-22W05	7433506782
14 Pin b	EPIC MD14bP3LSAB-22W05	7433506783
19 Pin	EPIC MD19P3LSAB-22W05	7433506784

M16 male panel connector, front/ rear mount, PCB Contacts

Front Fastened

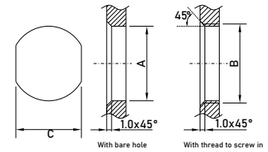


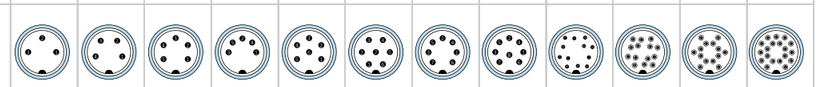
Rear Fastened



Recommended Panel Cut-out

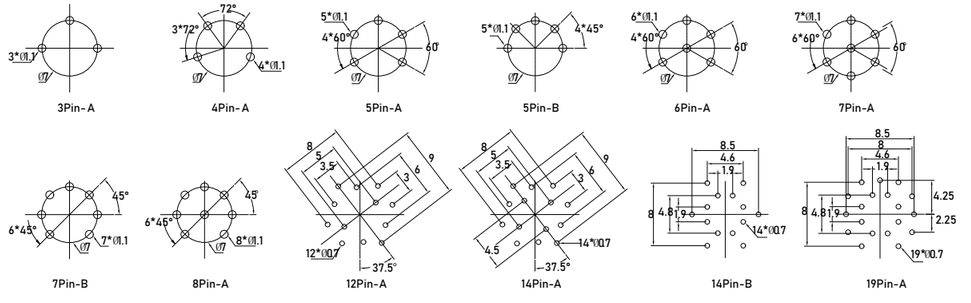
Chassis side	M18*0.75
A	$18.1^{+0.1}_{-0}$
B	M18*0.75
C	$16.9^{+0.1}_{-0}$



Connector Technical data												
Contacts No.	3Pin	4Pin	5Pin A	5Pin B	6Pin	7Pin A	7Pin B	8Pin	12Pin	14Pin A	14Pin B	19Pin
Front View												
Reference Standard	IEC 61076-2-106											
Rated current	12A		8A						4A			1.5A
Rated voltage	600V		300V			125V			60V			30V
Impulse voltage	1500V			800V	1500V		800V					
Locking system	M16 x 1.0mm screw											
Tightening Torque	Recommended：1.2 Nm，Max：1.5 Nm											
Termination	PCB Dip Soldering											
Rated temperature	–25 °C ... +70 °C											
Insulation resistance	⩾100MΩ											
Contact resistance	⩽ 5mΩ											
Contact carrier	PA66 + GF											
Screw nut	Brass, CNC, nickel-plated											
Contact	Brass											
Contacts plating	Au (Gold)											
O-ring	FKM/ Silicon											
Protecton degree	IP67, IP68											
Pollution degree	3											

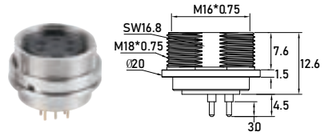
Ordering No.				
Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
3 Pin	EPIC MD03P1LPAB	7433506785	EPIC MD03P3LPAB	7433506786
4 Pin	EPIC MD04P1LPAB	7433506787	EPIC MD04P3LPAB	7433506788
5 Pin a	EPIC MD05aP1LPAB	7433506789	EPIC MD05aP3LPAB	7433506790
5 Pin b	EPIC MD05bP1LPAB	7433506791	EPIC MD05bP3LPAB	7433506792
6 Pin	EPIC MD06P1LPAB	7433506793	EPIC MD06P3LPAB	7433506794
7 Pin a	EPIC MD07aP1LPAB	7433506795	EPIC MD07aP3LPAB	7433506796
7 Pin b	EPIC MD07bP1LPAB	7433506797	EPIC MD07bP3LPAB	7433506798
8 Pin	EPIC MD08P1LPAB	7433506799	EPIC MD08P3LPAB	7433506800
12 Pin	EPIC MD12P1LPAB	7433506801	EPIC MD12P3LPAB	7433506802
14 Pin a	EPIC MD14aP1LPAB	7433506803	EPIC MD14aP3LPAB	7433506804
14 Pin b	EPIC MD14bP1LPAB	7433506805	EPIC MD14bP3LPAB	7433506806
19 Pin	EPIC MD19P1LPAB		EPIC MD19P3LPAB	

PCB Layout Reference

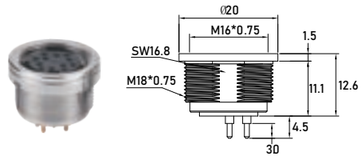


M16 female panel connector, front/ rear mount, PCB Contacts

Front Fastened

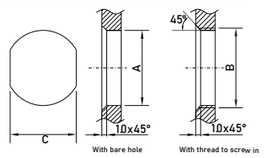


Rear Fastened



Recommended Panel Cut-out

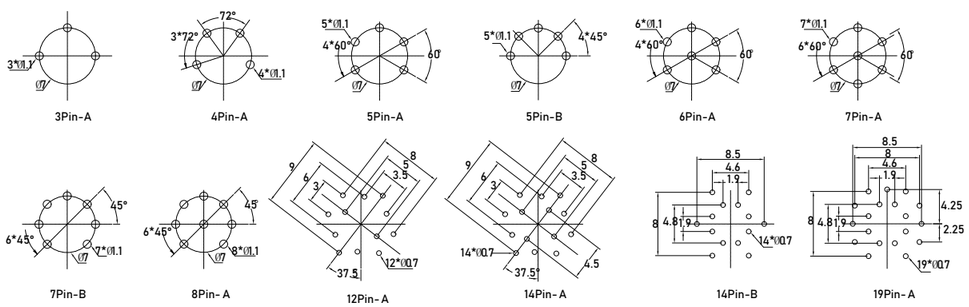
Chassis side	M18*0.75
A	$18.1^{-0.1}_{-0}$
B	M18*0.75
C	$16.9^{-0.1}_{-0}$



Connector Technical data												
Contacts No.	3Pin	4Pin	5Pin A	5Pin B	6Pin	7Pin A	7Pin B	8Pin	12Pin	14Pin A	14Pin B	19Pin
Front View												
Reference Standard	IEC 61076-2-106											
Rated current	12A		8A						4A			1.5A
Rated voltage	600V		300V			125V			60V			30V
Impulse voltage	1500V			800V	1500V		800V					
Locking system	M16 x 1.0mm screw											
Tightening Torque	Recommended：1.2 Nm，Max：1.5 Nm											
Termination	PCB Dip Soldering											
Rated temperature	–25 °C ... +70 °C											
Insulation resistance	⩾100MΩ											
Contact resistance	⩽ 5mΩ											
Contact carrier	PA66 + GF											
Screw nut	Brass, CNC, nickel-plated											
Contact	Brass											
Contacts plating	Au (Gold)											
O-ring	FKM/ Silicon											
Protecton degree	IP67, IP68											
Pollution degree	3											

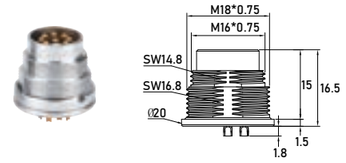
Ordering No.				
Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
3 Pin	EPIC MD03P2LPAB	7433506807	EPIC MD03P4LPAB	7433506808
4 Pin	EPIC MD04P2LPAB	7433506809	EPIC MD04P4LPAB	7433506810
5 Pin a	EPIC MD05aP2LPAB	7433506811	EPIC MD05aP4LPAB	7433506812
5 Pin b	EPIC MD05bP2LPAB	7433506813	EPIC MD05bP4LPAB	7433506814
6 Pin	EPIC MD06P2LPAB	7433506815	EPIC MD06P4LPAB	7433506816
7 Pin a	EPIC MD07aP2LPAB	7433506817	EPIC MD07aP4LPAB	7433506818
7 Pin b	EPIC MD07bP2LPAB	7433506819	EPIC MD07bP4LPAB	7433506820
8 Pin	EPIC MD08P2LPAB	7433506821	EPIC MD08P4LPAB	7433506822
12 Pin	EPIC MD12P2LPAB	7433506823	EPIC MD12P4LPAB	7433506824
14 Pin a	EPIC MD14aP2LPAB	7433506825	EPIC MD14aP4LPAB	7433506826
14 Pin b	EPIC MD14bP2LPAB		EPIC MD14bP4LPAB	
19 Pin	EPIC MD19P2LPAB	7433506827	EPIC MD19P4LPAB	7433506828

PCB Layout Reference

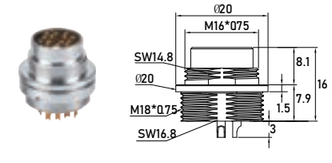


M16 male panel connector, front/ rear mount, with solder cups

Front Fastened

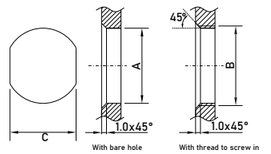


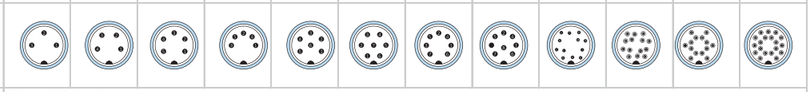
Rear Fastened



Recommended Panel Cut-out

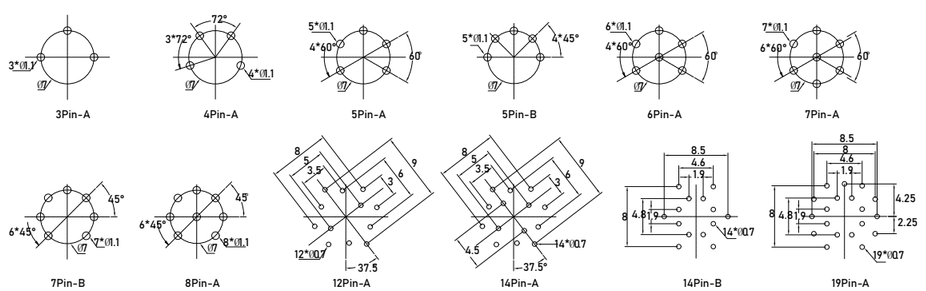
Chassis side	M18*0.75
A	$18.1^{-0.1}_{-0}$
B	M18*0.75
C	$16.9^{-0.1}_{-0}$



Connector Technical data												
Contacts No.	3Pin	4Pin	5Pin A	5Pin B	6Pin	7Pin A	7Pin B	8Pin	12Pin	14Pin A	14Pin B	19Pin
Front View												
Reference Standard	IEC 61076-2-106											
Rated current	12A		8A						4A			1.5A
Rated voltage	600V		300V			125V			60V			30V
Impulse voltage	1500V			800V	1500V		800V					
Locking system	M16 x 1.0mm screw											
Tightening Torque	Recommended：1.2 Nm，Max：1.5 Nm											
Termination	Soldering											
Rated temperature	–25 °C ... +70 °C											
Insulation resistance	⩾100MΩ											
Contact resistance	⩽ 5mΩ											
Contact carrier	PA66 + GF											
Screw nut	Brass, CNC, nickel-plated											
Contact	Brass											
Contacts plating	Au (Gold)											
O-ring	FKM/ Silicon											
Protecton degree	IP67, IP68											
Pollution degree	3											

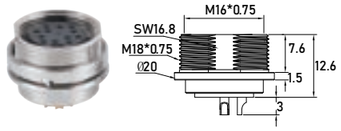
Ordering No.				
Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
3 Pin	EPIC MD03P1LSAB	7433506829	EPIC MD03P3LSAB	7433506830
4 Pin	EPIC MD04P1LSAB	7433506831	EPIC MD04P3LSAB	7433506832
5 Pin a	EPIC MD05aP1LSAB	7433506833	EPIC MD05aP3LSAB	7433506834
5 Pin b	EPIC MD05bP1LSAB	7433506835	EPIC MD05bP3LSAB	7433506836
6 Pin	EPIC MD06P1LSAB	7433506837	EPIC MD06P3LSAB	7433506838
7 Pin a	EPIC MD07aP1LSAB	7433506839	EPIC MD07aP3LSAB	7433506840
7 Pin b	EPIC MD07bP1LSAB	7433506841	EPIC MD07bP3LSAB	7433506842
8 Pin	EPIC MD08P1LSAB	7433506843	EPIC MD08P3LSAB	7433506844
12 Pin	EPIC MD12P1LSAB	7433506845	EPIC MD12P3LSAB	7433506846
14 Pin a	EPIC MD14aP1LSAB	7433506847	EPIC MD14aP3LSAB	7433506848
14 Pin b	EPIC MD14bP1LSAB		EPIC MD14bP3LSAB	
19 Pin	EPIC MD19P1LSAB	7433506849	EPIC MD19P3LSAB	7433506850

PCB Layout Reference

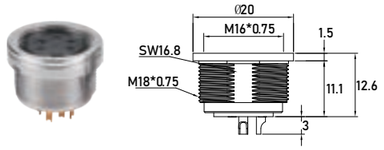


M16 female panel connector, front/ rear mount, with solder cups

Front Fastened

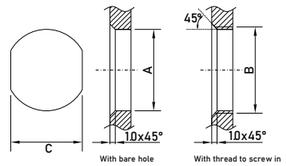


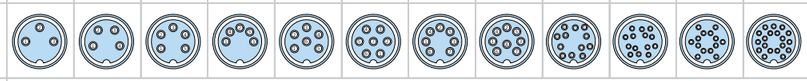
Rear Fastened



Recommended Panel Cut-out

Chassis side	M18*0.75
A	$18.1^{+0.1}_{0}$
B	M18*0.75
C	$16.9^{+0.1}_{0}$

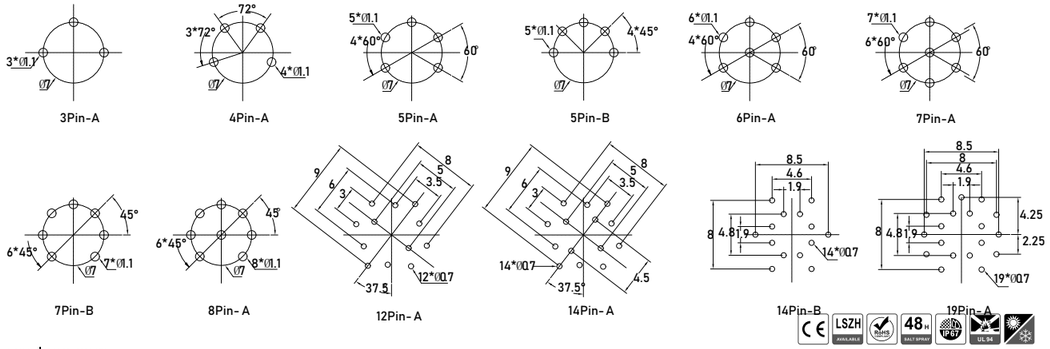


Connector Technical data													
Contacts No.	3Pin	4Pin	5Pin A	5Pin B	6Pin	7Pin A	7Pin B	8Pin	12Pin	14Pin A	14Pin B	19Pin
Front View												
Reference Standard	IEC 61076-2-106											
Rated current	12A		8A						4A			1.5A
Rated voltage	600V		300V			125V			60V			30V
Impulse voltage	1500V			800V	1500V		800V					
Locking system	M16 x 1.0mm screw											
Tightening Torque	Recommended：1.2 Nm，Max：1.5 Nm											
Termination	Soldering											
Rated temperature	–25 °C ... +70 °C											
Insulation resistance	⩾100MΩ											
Contact resistance	⩽ 5mΩ											
Contact carrier	PA66 + GF											
Screw nut	Brass, CNC, nickel-plated											
Contact	Brass											
Contacts plating	Au (Gold)											
O-ring	FKM/ Silicon											
Protecton degree	IP67, IP68											
Pollution degree	3											

Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
3 Pin	EPIC MD03P2LSAB	7433506851	EPIC MD03P4LSAB	7433506852
4 Pin	EPIC MD04P2LSAB	7433506853	EPIC MD04P4LSAB	7433506854
5 Pin a	EPIC MD05aP2LSAB	7433506855	EPIC MD05aP4LSAB	7433506856
5 Pin b	EPIC MD05bP2LSAB	7433506857	EPIC MD05bP4LSAB	7433506858
6 Pin	EPIC MD06P2LSAB	7433506859	EPIC MD06P4LSAB	7433506860
7 Pin a	EPIC MD07aP2LSAB	7433506861	EPIC MD07aP4LSAB	7433506862
7 Pin b	EPIC MD07bP2LSAB	7433506863	EPIC MD07bP4LSAB	7433506864
8 Pin	EPIC MD08P2LSAB	7433506865	EPIC MD08P4LSAB	7433506866
12 Pin	EPIC MD12P2LSAB	7433506867	EPIC MD12P4LSAB	7433506868
14 Pin a	EPIC MD14aP2LSAB	7433506869	EPIC MD14aP4LSAB	7433506870
14 Pin b	EPIC MD14bP2LSAB		EPIC MD14bP4LSAB	
19 Pin	EPIC MD19P2LSAB	7433506871	EPIC MD19P4LSAB	7433506872

PCB Layout Reference



7/8 Mini-change Circular cable connectors

Mini-Change

Waterproof Connectors, Highly Tailor-made Cable Solution. !
www.cableforce.cn

The 7/8 Mini-change IP 67 connectors are mating-compatible with industry mini-change connectors and designed for both signal and electricity current application. Cableforce offers 7/8" over molded cables, 7/8" Field wireable connectors and 7/8" panel mount receptacles.

7/8"

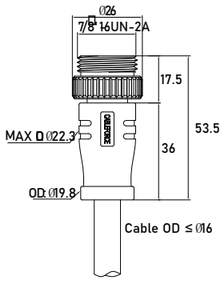
Mini-change Circular cable connectors

Mini-Change

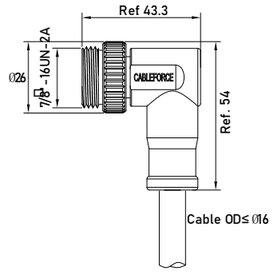
- Degree of protection IP 67
- 3P, 4P, 5P are available
- TPU over molded or plastic shell
- Custom cable specification, PUR and PVC cable options
- Operating voltage 300V
- Current rating: 8A~13A

7/8" Mini-Change male connectors, molded cable, free end.

Male Straight



Male Angled



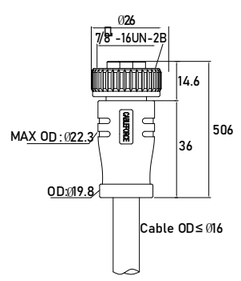
Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm² (AWG 16~ 18)			
Rated temperature	–25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.					
Poles	Cable length	Male Straight		Male Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2 Pin	2 m	EPIC MF02C1LCAB16CK20	EPIC MF02C1LCAB16RK20	EPIC MF02C1RCAB16CK20	EPIC MF02C1RCAB16RK20
		7433504260	7433504262	7433504276	7433504278
	5 m	EPIC MF02C1LCAB16CK50	EPIC MF02C1LCAB16RK50	EPIC MF02C1RCAB16CK50	EPIC MF02C1RCAB16RK50
		7433504261	7433504263	7433504277	7433504279
3 Pin	2 m	EPIC MF03C1LCAB16CK20	EPIC MF03C1LCAB16RK20	EPIC MF03C1RCAB16CK20	EPIC MF03C1RCAB16RK20
		7433504264	7433504266	7433504280	7433504282
	5 m	EPIC MF03C1LCAB16CK50	EPIC MF03C1LCAB16RK50	EPIC MF03C1RCAB16CK50	EPIC MF03C1RCAB16RK50
		7433504265	7433504267	7433504281	7433504283
4 Pin	2 m	EPIC MF04C1LCAB16CK20	EPIC MF04C1LCAB16RK20	EPIC MF04C1RCAB16CK20	EPIC MF04C1RCAB16RK20
		7433504268	7433504270	7433504284	7433504286
	5 m	EPIC MF04C1LCAB16CK50	EPIC MF04C1LCAB16RK50	EPIC MF04C1RCAB16CK50	EPIC MF04C1RCAB16RK50
		7433504269	7433504271	7433504285	7433504287
5 Pin	2 m	EPIC MF05C1LCAB16CK20	EPIC MF05C1LCAB16RK20	EPIC MF05C1RCAB16CK20	EPIC MF05C1RCAB16RK20
		7433504272	7433504274	7433504288	7433504290
	5 m	EPIC MF05C1LCAB16CK50	EPIC MF05C1LCAB16RK50	EPIC MF05C1RCAB16CK50	EPIC MF05C1RCAB16RK50
		7433504273	7433504275	7433504289	7433504291

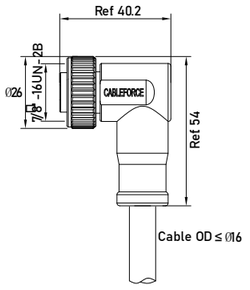
Wires' Color Coding				
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/GN	YE/GN	YE/GN
Pin 4			BK	BK
Pin 5				GY

7/8" Mini-Change female connectors, molded cable, free end.

Female Straight



Female Angled



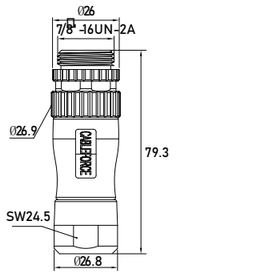
Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm² (AWG 16~ 18)			
Rated temperature	–25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.					
Poles	Cable length	Female Straight		Female Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2 Pin	2 m	EPIC MF02C2LCAB16CK20	EPIC MF02C2LCAB16RK20	EPIC MF02C2RCAB16CK20	EPIC MF02C2RCAB16RK20
		7433504292	7433504294	7433504308	7433504310
	5 m	EPIC MF02C2LCAB16CK50	EPIC MF02C2LCAB16RK50	EPIC MF02C2RCAB16CK50	EPIC MF02C2RCAB16RK50
		7433504293	7433504295	7433504309	7433504311
3 Pin	2 m	EPIC MF03C2LCAB16CK20	EPIC MF03C2LCAB16RK20	EPIC MF03C2RCAB16CK20	EPIC MF03C2RCAB16RK20
		7433504296	7433504298	7433504312	7433504314
	5 m	EPIC MF03C2LCAB16CK50	EPIC MF03C2LCAB16RK50	EPIC MF03C2RCAB16CK50	EPIC MF03C2RCAB16RK50
		7433504297	7433504299	7433504313	7433504315
4 Pin	2 m	EPIC MF04C2LCAB16CK20	EPIC MF04C2LCAB16RK20	EPIC MF04C2RCAB16CK20	EPIC MF04C2RCAB16RK20
		7433504300	7433504302	7433504316	7433504318
	5 m	EPIC MF04C2LCAB16CK50	EPIC MF04C2LCAB16RK50	EPIC MF04C2RCAB16CK50	EPIC MF04C2RCAB16RK50
		7433504301	7433504303	7433504317	7433504319
5 Pin	2 m	EPIC MF05C2LCAB16CK20	EPIC MF05C2LCAB16RK20	EPIC MF05C2RCAB16CK20	EPIC MF05C2RCAB16RK20
		7433504304	7433504306	7433504320	7433504322
	5 m	EPIC MF05C2LCAB16CK50	EPIC MF05C2LCAB16RK50	EPIC MF05C2RCAB16CK50	EPIC MF05C2RCAB16RK50
		7433504305	7433504307	7433504321	7433504323

Wires' Color Coding				
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/GN	YE/GN	YE/GN
Pin 4			BK	BK
Pin 5				GY

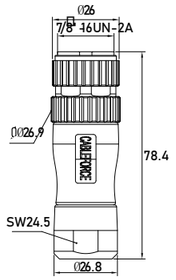
7/8" Mini-Change Connector, Field Wire-able, Screw Termination

Male



Cable OD: 4~6mm OD: 6~8mm OD: 8~10mm

Female

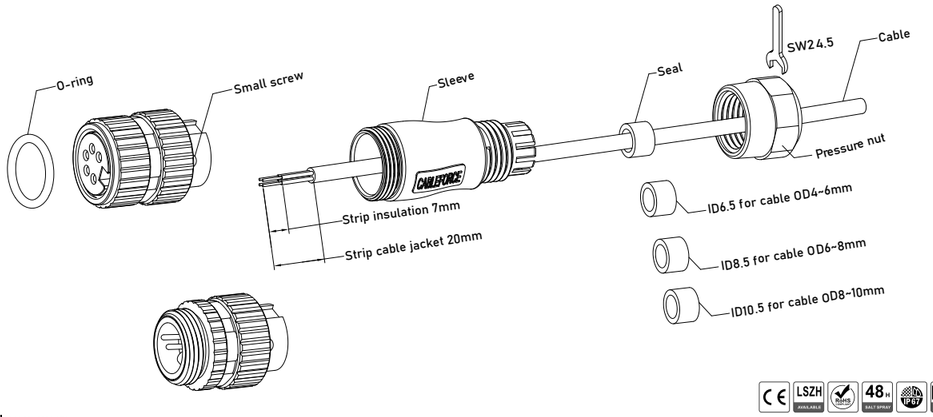


Cable OD: 4~6mm OD: 6~8mm OD: 8~10mm

Connector Technical data			
Contacts No.	3Pin	4Pin	5Pin
Front View			
Rated current	13A, 8A		
Rated voltage	300V		
Impulse voltage	2500V		
Locking system	7/8" screw		
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm, Wire screw : 0.4Nm, Cable gland: 0.8~1.5Nm		
Termination	Screw Fixing		
Wire gauge	0.75~ 1.25mm² (AWG 16~ 18)		
Rated temperature	Flexible –25 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Connector body	TPU		
Contact carrier	TPU + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP67, IP68		
Pollution degree	3		

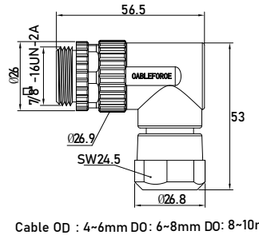
Ordering No.		
Poles	Male	Female
3 Pin	EPIC MF03A1RWAB	EPIC MF03A2RWAB
4 Pin	EPIC MF04A1RWAB	EPIC MF04A2RWAB
5 Pin	EPIC MF05A1RWAB	EPIC MF05A2RWAB

Assembly Instruction



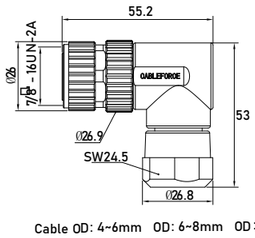
7/8" Mini-Change Connector, Field Wire-able, Screw Termination

Female Straight



Cable OD : 4~6mm DO: 6~8mm DO: 8~10mm

Female Angled

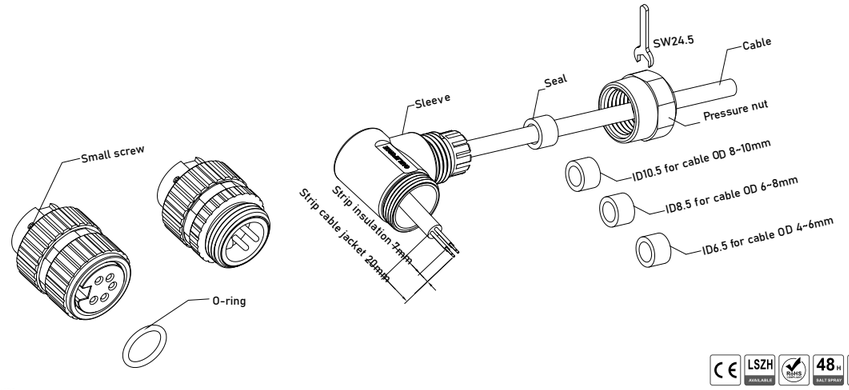


Cable OD: 4~6mm OD: 6~8mm OD: 8~10mm

Connector Technical data			
Contacts No.	3Pin	4Pin	5Pin
Front View			
Rated current	13A, 8A		
Rated voltage	300V		
Impulse voltage	2500V		
Locking system	7/8" screw		
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm, Wire screw : 0.4Nm, Cable gland: 0.8~1.5Nm		
Termination	Screw Fixing		
Wire gauge	0.75~ 1.25mm² (AWG 16~ 18)		
Rated temperature	Flexible –25 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Connector body	TPU		
Contact carrier	TPU + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP67, IP68		
Pollution degree	3		

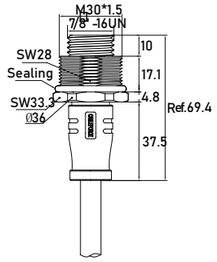
Ordering No.		
Poles	Male	Female
3 Pin	MF03A1RWAB	MF03A2RWAB
4 Pin	MF04A1RWAB	MF04A2RWAB
5 Pin	MF05A1RWAB	MF05A2RWAB

Assembly Instruction

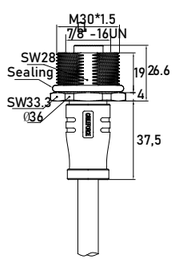


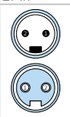
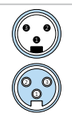
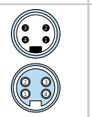
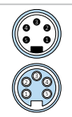
7/8" Panel Connector, Molded Cable, Un-shielded, Free End

Male



Female

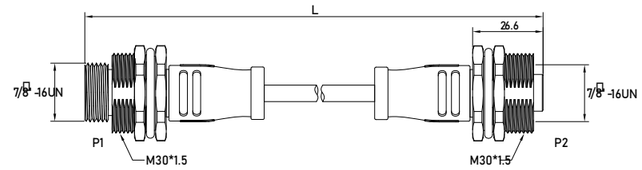


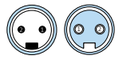
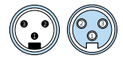
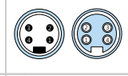
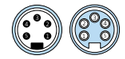
Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening torque	Recommended: 1.5 Nm, Max: 2.0 Nm			
Termination	Crimping			
Wire gauge	0.75mm² ~1.5mm²(18~16AWG)			
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contacts	Bras (s/ Phosphor bronze			
Contacts plating	Au (Gold)			
O-Ring	FKM/ Silicon			
Protection degree	IP67, IP68, IP69K			
Pollution degree	3			
EMC Shielding	Non-Shielded			

Ordering No.					
Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2 Pin	2 m	EPIC MF02P9LCAB-16CK20 7433504324	EPIC MF02P9LCAB-16RK20 7433504326	EPIC MF02P8LCAB-16CK20 7433504340	EPIC MF02P8LCAB-16RK20 7433504342
	5 m	EPIC MF02P9LCAB-16CK50 7433504325	EPIC MF02P9LCAB-16RK50 7433504327	EPIC MF02P8LCAB-16CK50 7433504341	EPIC MF02P8LCAB-16RK50 7433504343
3 Pin	2 m	EPIC MF03P9LCAB-16CK20 7433504328	EPIC MF03P9LCAB-16RK20 7433504330	EPIC MF03P8LCAB-16CK20 7433504344	EPIC MF03P8LCAB-16RK20 7433504346
	5 m	EPIC MF03P9LCAB-16CK50 7433504329	EPIC MF03P9LCAB-16RK50 7433504331	EPIC MF03P8LCAB-16CK50 7433504345	EPIC MF03P8LCAB-16RK50 7433504347
4 Pin	2 m	EPIC MF04P9LCAB-16CK20 7433504332	EPIC MF04P9LCAB-16RK20 7433504334	EPIC MF04P8LCAB-16CK20 7433504348	EPIC MF04P8LCAB-16RK20 7433504350
	5 m	EPIC MF04P9LCAB-16CK50 7433504333	EPIC MF04P9LCAB-16RK50 7433504335	EPIC MF04P8LCAB-16CK50 7433504349	EPIC MF04P8LCAB-16RK50 7433504351
5 Pin	2 m	EPIC MF05P9LCAB-16CK20 7433504336	EPIC MF05P9LCAB-16RK20 7433504338	EPIC MF05P8LCAB-16CK20 7433504352	EPIC MF05P8LCAB-16RK20 7433504354
	5 m	EPIC MF05P9LCAB-16CK50 7433504337	EPIC MF05P9LCAB-16RK50 7433504339	EPIC MF05P8LCAB-16CK50 7433504353	EPIC MF05P8LCAB-16RK50 7433504355

Wires' Color Coding				
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/GN	YE/GN	YE/GN
Pin 4			BK	BK
Pin 5				GY

7/8" Panel Connector, Male to Female, Molded Cable, Un-shielded, Free End

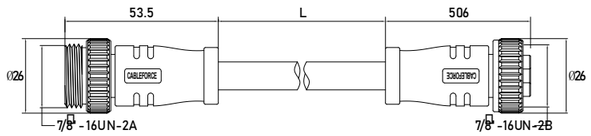


Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening torque	Recommended: 1.5 Nm, Max: 2.0 Nm			
Termination	Crimping			
Wire gauge	0.75mm² ~1.5mm²(18~16AWG)			
Rated termperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contacts	Bras (s/ Phosphor bronze			
Contacts plating	Au (Gold)			
O-Ring	FKM/ Silicon			
Protection degree	IP67, IP68, IP69K			
Pollution degree	3			
EMC Shielding	Non-Shielded			

Ordering No.			
Poles	Cable length	PVC (Cable)	PUR (Cable)
2 Pin	2 m	EPIC MF02C9LCAB-16CK20 7433504356	EPIC MF02C9LCAB-16RK20 7433504358
	5 m	EPIC MF02C9LCAB-16CK50 7433504357	EPIC MF02C9LCAB-16RK50 7433504359
3 Pin	2 m	EPIC MF03C9LCAB-16CK20 7433504360	EPIC MF03C9LCAB-16RK20 7433504360
	5 m	EPIC MF03C9LCAB-16CK50 7433504361	EPIC MF03C9LCAB-16RK50 7433504361
4 Pin	2 m	EPIC MF04C9LCAB-16CK20 7433504362	EPIC MF04C9LCAB-16RK20 7433504362
	5 m	EPIC MF04C9LCAB-16CK50 7433504363	EPIC MF04C9LCAB-16RK50 7433504363
5 Pin	2 m	EPIC MF05C9LCAB-16CK20 7433504364	EPIC MF05C9LCAB-16RK20 7433504364
	5 m	EPIC MF05C9LCAB-16CK50 7433504365	EPIC MF05C9LCAB-16RK50 7433504365

Wires' Color Coding				
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/GN	YE/GN	YE/GN
Pin 4			BK	BK
Pin 5				GY

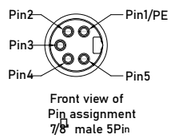
DeviceNet, CANopen Mini, male to female, double ended, molded cable

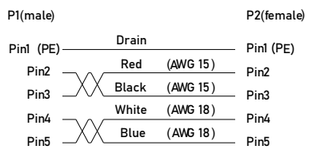


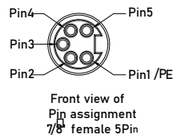
Connector Technical data			
Contacts No.	Male	Cable Color	Female
Front View			
Rated current	8A		
Rated voltage	300V		
Impulse voltage	2500V		
Locking system	7/8" screw		
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm		
Termination	Crimping		
Cable specification	1.5mm² + 0.75mm² (AWG 15 + AWG18)		
Rated temperature	–25 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Over-molding	TPU		
Contact carrier	TPU + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protecton degree	IP67, IP68		
Pollution degree	3		

Ordering No.			
Poles	Cable length	PVC (Cable)	PUR (Cable)
5 Pin	1.0 m	EPIC MF05C3LSAB18CV10-DVN	EPIC MF05C3LSAB18RV10-DVN
	1.8 m	EPIC MF05C3LSAB18CV18-DVN	EPIC MF05C3LSAB18RV18-DVN
	2.0 m	EPIC MF05C3LSAB18CV20-DVN	EPIC MF05C3LSAB18RV20-DVN
	3.0 m	EPIC MF05C3LSAB18CV30-DVN	EPIC MF05C3LSAB18RV30-DVN
	3.5 m	EPIC MF05C3LSAB18CV35-DVN	EPIC MF05C3LSAB18RV35-DVN
	5.0 m	EPIC MF05C3LSAB18CV50-DVN	EPIC MF05C3LSAB18RV50-DVN

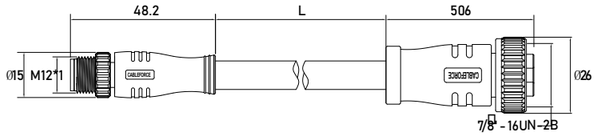
Wiring Diagram







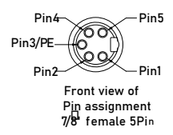
7/8" Mini-Change, female to M12 S-Code male, double ended, molded cable, Un-shielded

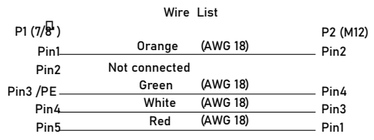


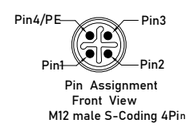
Connector Technical data		
Contacts No.	7/8" 5Pin Female	M12 S-Code 4Pin Male
Front View		
Rated current	12A	
Rated voltage	300V	
Impulse voltage	2500V	
Locking system	7/8" screw / M12 screw;	
Termination	Crimping	
Cable specification	1.25mm² (AWG 16)	
Rated temperature	–25 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass , Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Proteciton degree	IP67, IP68	
Pollution degree	3	

Ordering No.			
Poles	Cable length	PVC (Cable)	PUR (Cable)
5 Pin - 4 Pin	1.0 m	EPIC MF05C2-MC04C1SB-16CK10	EPIC MF05C2-MC04C1SB-16RK10
		7433504384	7433504385
	1.8 m	EPIC MF05C2-MC04C1SB-16CK18	EPIC MF05C2-MC04C1SB-16RK18
		7433504386	7433504387
	2.0 m	EPIC MF05C2-MC04C1SB-16CK20	EPIC MF05C2-MC04C1SB-16RK20
		7433504388	7433504389
	3.0 m	EPIC MF05C2-MC04C1SB-16CK30	EPIC MF05C2-MC04C1SB-16RK30
		7433504390	7433504391
	3.5 m	EPIC MF05C2-MC04C1SB-16CK35	EPIC MF05C2-MC04C1SB-16RK35
		7433504392	7433504393
	5.0 m	EPIC MF05C2-MC04C1SB-16CK50	EPIC MF05C2-MC04C1SB-16RK50
		7433504394	7433504395

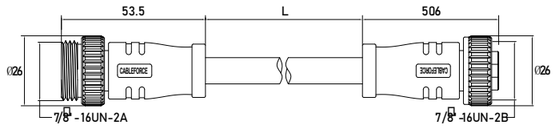
Wiring Diagram

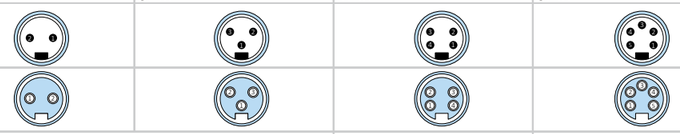






7/8" Mini-Change, male to female, double ended, Un-shielded Cable

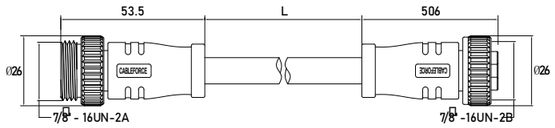


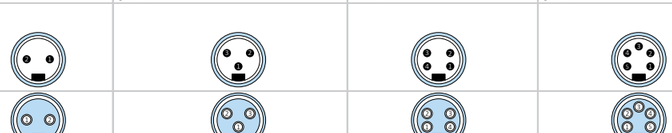
Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm			
Termination	Crimping			
Cable specification	0.75~ 1.5m²m (AWG 16~ 18)			
Rated temperature	–25 °C ... +80 °C			
Insulation resistance	⩾100MΩ			
Contact resistance	≤5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protecton degree	IP67, IP68			
Pollution degree	3			

Ordering No.			
Poles	Cable length	PVC (Cable)	PUR (Cable)
2 Pin	2.0 m	EPIC MF02C3LCAB16CK20	EPIC MF02C3LCAB16RK20
		7433504396	7433504397
	3.5 m	EPIC MF02C3LCAB16CK35	EPIC MF02C3LCAB16RK35
		7433504398	7433504399
3 Pin	2.0 m	EPIC MF03C3LCAB16CK20	EPIC MF03C3LCAB16RK20
		7433504400	7433504401
	3.5 m	EPIC MF03C3LCAB16CK35	EPIC MF03C3LCAB16RK35
		7433504402	7433504403
4 Pin	2.0 m	EPIC MF04C3LCAB16CK20	EPIC MF04C3LCAB16RK20
		7433504404	7433504405
	3.5 m	EPIC MF04C3LCAB16CK35	EPIC MF04C3LCAB16RK35
		7433504406	7433504407
5 Pin	2.0 m	EPIC MF05C3LCAB18CK20	EPIC MF05C3LCAB18RK20
		7433504408	7433504409
	3.5 m	EPIC MF05C3LCAB18CK35	EPIC MF05C3LCAB18RK35
		7433504410	7433504411

Wires' Color Coding				
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/GN	YE/GN	YE/GN
Pin 4			BK	BK
Pin 5				GY

7/8" Mini-Change, male to female, double ended, Weld-Splatter Resistant, 5 million drag chain cable

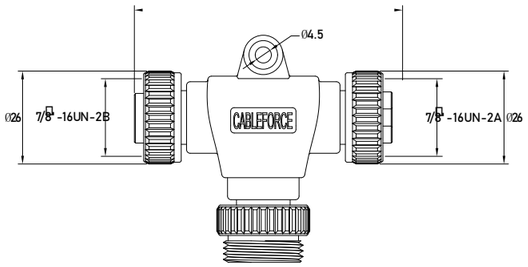


Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm			
Termination	Crimping			
Cable specification	1.5mm² (AWG 16)			
Rated temperature	–40 °C ... +105 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protecton degree	IP67, IP68			
Pollution degree	3			

Ordering No.			
Poles	Cable length	XLPE (Cable)	PUR (Cable)
2 Pin	2.0 m	EPIC MF02C3LCAB16XEO20-WR	EPIC MF02C3LCAB16RO20-WR
	3.5 m	EPIC MF02C3LCAB16XEO35-WR	EPIC MF02C3LCAB16RO35-WR
3 Pin	2.0 m	EPIC MF03C3LCAB16XEO20-WR	EPIC MF03C3LCAB16RO20-WR
	3.5 m	EPIC MF03C3LCAB16XEO35-WR	EPIC MF03C3LCAB16RO35-WR
4 Pin	2.0 m	EPIC MF04C3LCAB16XEO20-WR	EPIC MF04C3LCAB16RKO20-WR
	3.5 m	EPIC MF04C3LCAB16XEO35-WR	EPIC MF04C3LCAB16RO35-WR
5 Pin	2.0 m	EPIC MF05C3LCAB18XEO20-WR	EPIC MF05C3LCAB18RO20-WR
	3.5 m	EPIC MF05C3LCAB18XEO35-WR	EPIC MF05C3LCAB18RO35-WR

Wires' Color Coding				
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/GN	YE/GN	YE/GN
Pin 4			BK	BK
Pin 5				GY

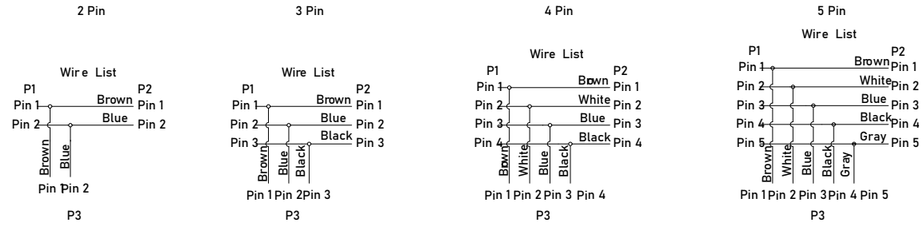
7/8" T-Connector, Female to Female/ Male



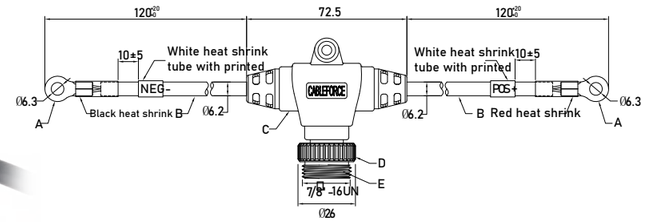
Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
P1 Front View				
P2 Front View				
P3 Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend：1.5Nm, Max：2.0Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm² (AWG 16~ 18)			
Rated temperature	–25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Connector body	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.		
Poles	Part No.	
2 Pin	EPIC MF02T-MFFAB	7433507327
3 Pin	EPIC MF03T-MFFAB	7433507328
4 Pin	EPIC MF04T-MFFAB	7433507329
5 Pin	EPIC MF05T-MFFAB	7433507330

Wiring Diagram



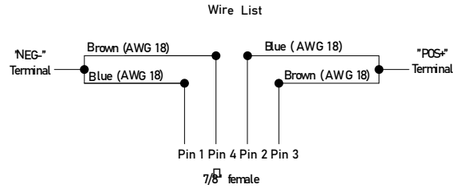
7/8" Power-Tap Male Splitter, Molded Cable, End with Terminal



Connector Technical data		
Contacts No.	4Pin	
Front View		
Rated current		
Rated voltage	300V	
Impulse voltage	2500V	
Locking system	7/8" screw	
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm	
Termination	Crimping	
Wire gauge	0.75~ 1.25mm² (AWG 16~ 18)	
Rated temperature	–25 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Connector body	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

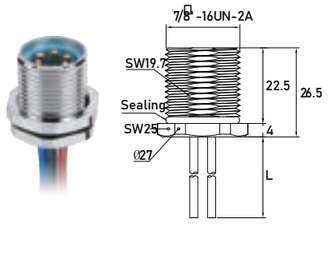
Ordering No.		
Poles	Part No.	
4 Pin	EPIC MF04T6-F16W012-T	7433507331

Wiring Diagram

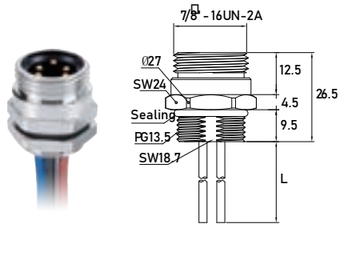


7/8" Mini-Change male panel connector, front/ rear mount, with single wires

Front Fastened

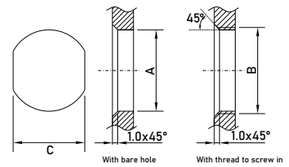


Rear Fastened



Recommended Panel Cut-out

Chassis side	7/8"-16UN-2A	PG13.5	1/2" 14-NPT
A	$22.4^{+0.1}_{-0}$	$20.6^{+0.1}_{-0}$	$21.4^{+0.1}_{-0}$
B	7/8"-16UN-2A	PG13.5	1/2" ¼-NPT
C	$20^{-0.1}_{-0}$	$18.9^{+0.1}_{-0}$	N/A



Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend: 2.0Nm, Max: 2.5Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm² (AWG 16~ 18)			
Rated temperature	–25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.

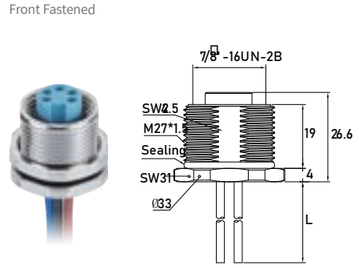
Poles	Wire length	Panel Front Side Fastening 7/8"-16UN-2A Chassis Side	Panel Rear Side Fastening 7/8"-16UN-2A Chassis Side	Panel Rear Side Fastening PG13.5 Chassis Side
2 Pin	0.2 m	EPIC MF02P1LCAB16W02	EPIC MF02P3LCAB16W02	EPIC MF02P3LCABP13-16W02
		7433507332	7433507334	
	0.5 m	EPIC MF02P1LCAB16W05	EPIC MF02P3LCAB16W05	EPIC MF02P3LCABP13-16W05
		7433507333	7433507335	
3 Pin	0.2 m	EPIC MF03P1LCAB16W02	EPIC MF03P3LCAB16W02	EPIC MF03P3LCABP13-16W02
		7433507336	7433507338	
	0.5 m	EPIC MF03P1LCAB16W05	EPIC MF03P3LCAB16W05	EPIC MF03P3LCABP13-16W05
		7433507337	7433507339	
4 Pin	0.2 m	EPIC MF04P1LCAB16W02	EPIC MF04P3LCAB16W02	EPIC MF04P3LCABP13-16W02
		7433507340	7433507341	
	0.5 m	EPIC MF04P1LCAB16W05	EPIC MF04P3LCAB16W05	EPIC MF04P3LCABP13-16W05
		7433507342	7433507343	
5 Pin	0.2 m	EPIC MF05P1LCAB18W02	EPIC MF05P3LCAB18W02	EPIC MF05P3LCABP13-18W02
		7433507344	7433507345	
	0.5 m	EPIC MF05P1LCAB18W05	EPIC MF05P3LCAB18W05	EPIC MF05P3LCABP13-18W05
		7433507346	7433507347	

Wires' Color Coding

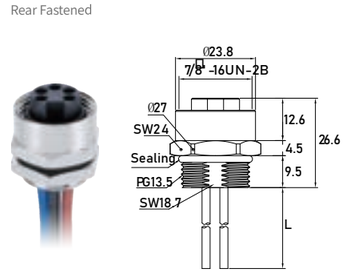
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BU	WH	WH
Pin 3		BK	BU	BU
Pin 4			BK	BK
Pin 5				GY

7/8" Mini-Change female panel connector, front/ rear mount, with single wires

Front Fastened

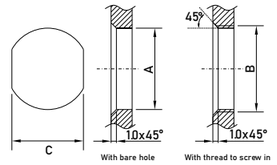


Rear Fastened



Recommended Panel Cut-out

Chassis side	7/8"-16UN-2B	PG13.5	1/2" 14-NPT
A	$27.2^{+0.1}_{-0}$	$20.6^{+0.1}_{-0}$	$21.4^{+0.1}_{-0}$
B	7/8"-16UN-2B	PG13.5	1/2" ¼-NPT
C	$24.7^{+0.1}_{-0}$	$18.9^{+0.1}_{-0}$	N/A



Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend: 2.0Nm, Max: 2.5Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm² (AWG 16~ 18)			
Rated temperature	–25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.

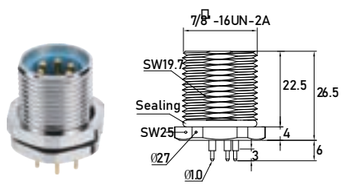
Poles	Wire length	Panel Front Side Fastening 7/8"-16UN-2A Chassis Side	Panel Rear Side Fastening 7/8"-16UN-2A Chassis Side	Panel Rear Side Fastening PG13.5 Chassis Side
2 Pin	0.2 m	EPIC MF02P2LCAB16W02	EPIC MF02P4LCAB16W02	EPIC MF02P4LCABP13-16W02
		7433506893	7433506894	
	0.5 m	EPIC MF02P2LCAB16W05	EPIC MF02P4LCAB16W05	EPIC MF02P4LCABP13-16W05
		7433506895	7433506896	
3 Pin	0.2 m	EPIC MF03P2LCAB16W02	EPIC MF03P4LCAB16W02	EPIC MF03P4LCABP13-16W02
		7433506897	7433506898	
	0.5 m	EPIC MF03P2LCAB16W05	EPIC MF03P4LCAB16W05	EPIC MF03P4LCABP13-16W05
		7433506899	7433506900	
4 Pin	0.2 m	EPIC MF04P2LCAB16W02	EPIC MF04P4LCAB16W02	EPIC MF04P4LCABP13-16W02
		7433506901	7433506902	
	0.5 m	EPIC MF04P2LCAB16W05	EPIC MF04P4LCAB16W05	EPIC MF04P4LCABP13-16W05
		7433506903	7433506904	
5 Pin	0.2 m	EPIC MF05P2LCAB18W02	EPIC MF05P4LCAB18W02	EPIC MF05P4LCABP13-18W02
		7433506905	7433506906	
	0.5 m	EPIC MF05P2LCAB18W05	EPIC MF05P4LCAB18W05	EPIC MF05P4LCABP13-18W05
		7433506907	7433506908	

Wires' Color Coding

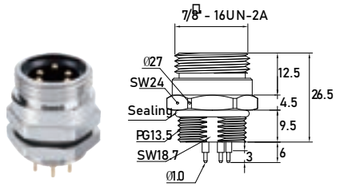
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BU	WH	WH
Pin 3		BK	BU	BU
Pin 4			BK	BK
Pin 5				GY

7/8" Mini-Change male panel connector, front/ rear mount, with PCB Contacts

Front Fastened 前锁

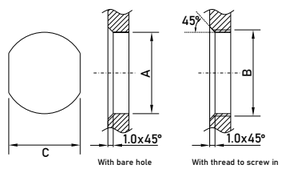


Rear Fastened



Recommended Panel Cut-out

Chassis side	7/8"-16UN-2A	PG13.5	1/2" 14-NPT
A	$22.4^{+0.1}_{-0}$	$20.6^{+0.1}_{-0}$	$21.4^{+0.1}_{-0}$
B	7/8"-16UN-2A	PG13.5	1/2" 14-NPT
C	$20^{+0.1}_{-0}$	$18.9^{+0.1}_{-0}$	N/A

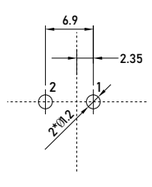


Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend: 2.0Nm, Max: 2.5Nm			
Termination	PCB Dip Soldering			
Rated temperature	–25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			

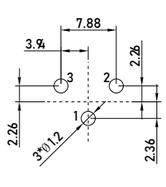
Ordering No.

Poles	Panel Front Side Fastening	Panel Rear Side Fastening	
	7/8"-16UN-2A Chassis Side	7/8"-16UN-2A Chassis Side	PG13.5 Chassis Side
2 Pin	EPIC MF02P1LPAB	EPIC MF02P3LPAB	EPIC MF02P3LPABP13
	7433506913	7433506914	7433506915
3 Pin	EPIC MF03P1LPAB	EPIC MF03P3LPAB	EPIC MF03P3LPABP13
	7433506916	7433506917	7433506918
4 Pin	EPIC MF04P1LPAB	EPIC MF04P3LPAB	EPIC MF04P3LPABP13
	7433506919	7433506920	7433506921
5 Pin	EPIC MF05P1LPAB	EPIC MF05P3LPAB	EPIC MF05P3LPABP13
	7433506922	7433506923	7433506924

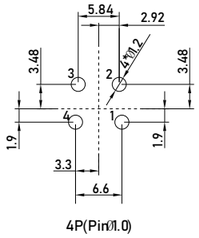
PCB Layout Reference



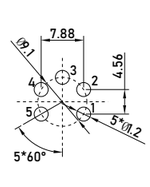
2P(PinØ1.0)



3P(PinØ1.0)



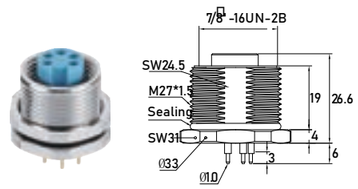
4P(PinØ1.0)



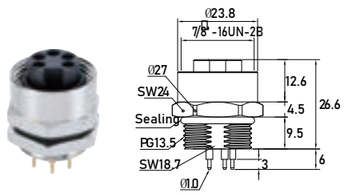
5P(PinØ1.0)

7/8" Mini-Change female panel connector, front/ rear mount, with PCB Contacts

Front Fastened

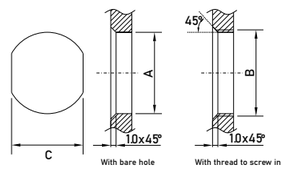


Rear Fastened



Recommended Panel Cut-out

Chassis side	7/8"-16UN-2B	PG13.5	1/2" 14-NPT
A	$27.2^{+0.1}_{-0}$	$20.6^{+0.1}_{-0}$	$21.4^{+0.1}_{-0}$
B	7/8"-16UN-2B	PG13.5	1/2" 14-NPT
C	$24.7^{+0.1}_{-0}$	$18.9^{+0.1}_{-0}$	N/A

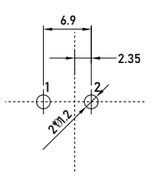


Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A			
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend: 2.0Nm, Max: 2.5Nm			
Termination	PCB Dip Soldering			
Rated temperature	–25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67, IP68			
Pollution degree	3			

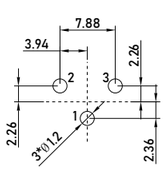
Ordering No.

Poles	Panel Front Side Fastening	Panel Rear Side Fastening	
	7/8"-16UN-2A Chassis Side	7/8"-16UN-2A Chassis Side	PG13.5 Chassis Side
2 Pin	EPIC MF02P2LPAB	EPIC MF02P4LPAB	EPIC MF02P4LPABP13
	7433506925	7433506926	7433506927
3 Pin	EPIC MF03P2LPAB	EPIC MF03P4LPAB	EPIC MF03P4LPABP13
	7433506928	7433506929	7433506930
4 Pin	EPIC MF04P2LPAB	EPIC MF04P4LPAB	EPIC MF04P4LPABP13
	7433506931	7433506932	7433506933
5 Pin	EPIC MF05P2LPAB	EPIC MF05P4LPAB	EPIC MF05P4LPABP13
	7433506934	7433506935	7433506936

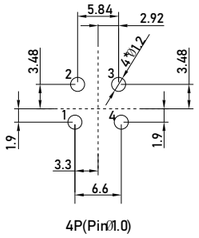
PCB Layout Reference



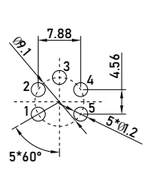
2P(PinØ1.0)



3P(PinØ1.0)



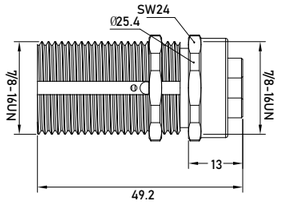
4P(PinØ1.0)

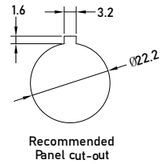


5P(PinØ1.0)

7/8" Through Wall Type Connector

7/8" male-female in one through wall type panel connector





Connector Technical data				
Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A、8A		9A	8A
Rated voltage	300V			
Impulse voltage	3000V			
Locking system	7/8" screw			
Tightening torque	Recommended：1.5 Nm，Max：2.0 Nm			
Rated termperature	Flexible: -25 ~ 80 ；Static: -40 ~ 80			
Insulation resistance	＞100MΩ			
Contact resistance	＜5mΩ			
Over-molding	TPU			
Contacts carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contacts	Phosphor bronze			
Contacts plating	Au (Gold)			
O-Ring	FKM/ Silicon			
Protection degree	IP67, IP68, IP69K			
Pollution degree	3			
EMC Shielding	Shielded			

Ordering No.		
Poles	male-female	
2 Pin	EPIC MF02P7LPAB	7433506937
3 Pin	EPIC MF03P7LPAB	7433506938
4 Pin	EPIC MF04P7LPAB	7433506939
5 Pin	EPIC MF05P7LPAB	7433506940

Notes

M23 Circular cable connectors

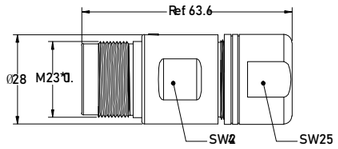
Waterproof Connectors, Highly Tailor-made Cable Solution. !
www.cableforce.cn

Cableforce also manufacture the M23 electrical connectors and M23 cables for connecting electrical drives, encoders, servo-motors and robotic dress-pack in Industrial applications. The M23 refers to the thread of the connector's locking screw used in connecting the cable plug or receptacle. The M23 connector is versatile due to its robust design, and the combination of power and signal pins with its design.

M23
Circular cable connectors

- Robust metal connector with integrated EMC cable gland
- 6, 7, 12, 16, 17 and 19 pole
- Both straight, and right-angle connectors
- Custom wiring and pin-count configurations
- Field-wireable connector or custom cable lengths
- Made in China

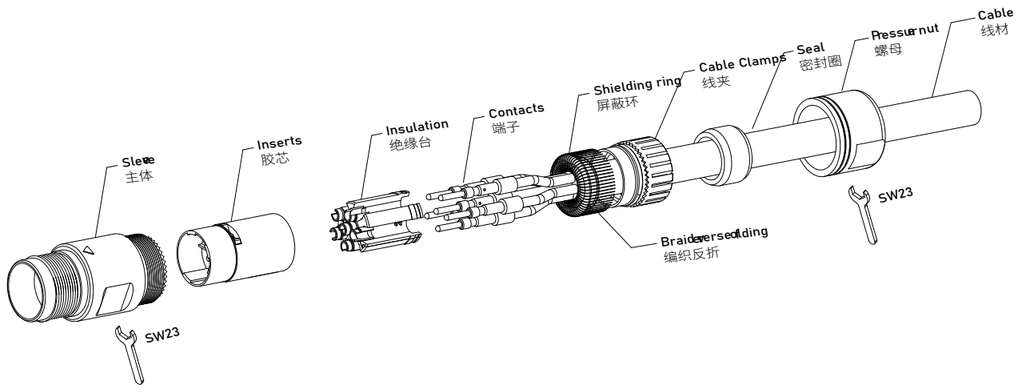
M23 Male, Field Wire-able, EMI-Shielded, Crimping Termination



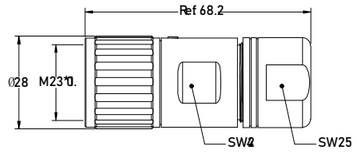
Connector Technical data					
Contacts No.	6 (5+PE)		8 (4+3+PE)		
Front View					
Contacts	5	PE	4	3	PE
Rated current @ 20℃	30A		9A	30A	
Contact OD(mm)	2.0(0.25~4.0mm²)		1.0(0.08~1.0mm²)	2.0(0.25~4.0mm²)	
Rated Voltage	630V		250V	630V	
Impulse voltage	6000V		4000V	6000V	
Locking system	M23*1.0 screw				
Termination	Crimping				
Wire gauge	Max.0.34mm² ~ 4.0mm² (AWG22 ~ AWG12)				
Cable outlet	7.5~17mm				
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	Brass, nickel-plated				
Contacts carrier	PA6				
Screw nut	Brass, nickel-plated				
Contacts	Brass, CNC				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67				
Pollution degree	3				
Overvoltage category	2				
EMC Shielding	Shielded				
Cable Recommendation	Refers to page 341				

Ordering No.		
Cable OD Range	6Pin (5+PE)	8Pin (4+3+PE)
7.5~12mm	EPIC MGH5EA1LCAB-12	EPIC MGH45EA1LCAB-12
	7433507199	7433507202
9.5~14.5mm	EPIC MGH5EA1LCAB-14.5	EPIC MGH43EA1LCAB-14.5
	7433507200	7433507203
14~17mm	EPIC MGH5EA1LCAB-17	EPIC MGH43EA1LCAB-17
	7433507201	7433507204

Cable Recommendation



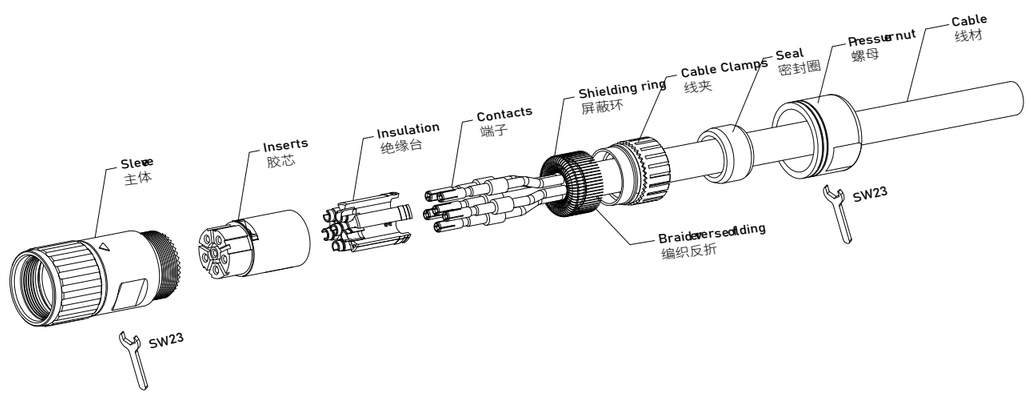
M23 Female, Field Wire-able, EMI-Shielded, Crimping Termination



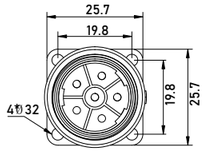
Connector Technical data					
Contacts No.	6Pin (5+PE)		8Pin (4+3+PE)		
Front View					
Contacts	5	PE	4	3	PE
Rated current @ 20℃	30A		9A	30A	
Contact OD(mm)	2.0(0.25~4.0mm²)		1.0(0.08~1.0mm²)	2.0(0.25~4.0mm²)	
Rated Voltage	630V		250V	630V	
Impulse voltage	6000V		4000V	6000V	
Locking system	M23*1.0 screw				
Termination	Crimping				
Wire gauge	Max.0.34mm² ~ 4.0mm² (AWG22 ~ AWG12)				
Cable outlet	7.5~17mm				
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	Brass, nickel-plated				
Contacts carrier	PA6				
Screw nut	Brass, nickel-plated				
Contacts	Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67				
Pollution degree	3				
Overvoltage category	2				
EMC Shielding	Shielded				
Cable Recommendation	Refers to page 341				

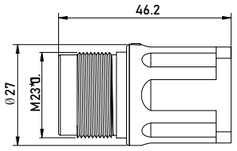
Ordering No.		
Cable OD Range	6Pin (5+PE)	8Pin (4+3+PE)
7.5~12mm	EPIC MGH5EA2LCAB-12	EPIC MGH45EA2LCAB-12
	7433507205	7433507208
9.5~14.5mm	EPIC MGH5EA2LCAB-14.5	EPIC MGH43EA2LCAB-14.5
	7433507206	7433507209
14~17mm	EPIC MGH5EA2LCAB-17	EPIC MGH43EA2LCAB-17
	7433507207	7433507210

Cable Recommendation



M23 Male, Flange Panel Mount Connector, Crimping Termination

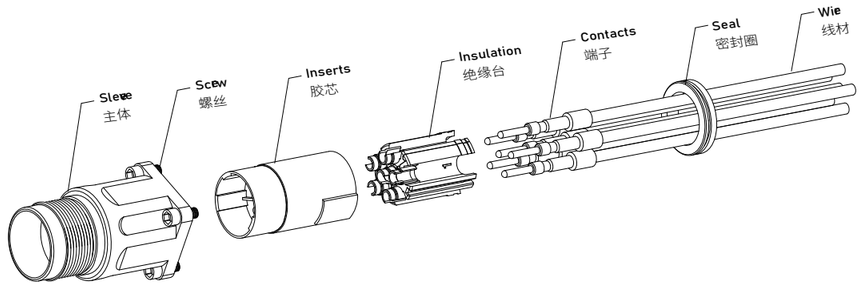




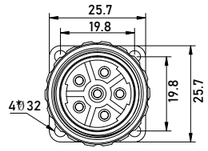
Connector Technical data					
Contacts No.	6 (5+PE)		8 (4+3+PE)		
Front View					
Contacts	5	PE	4	3	PE
Rated current @ 20°C	30A		9A	30A	
Contact OD(mm)	2.0(0.25~4.0mm²)		1.0(0.08~1.0mm²)	2.0(0.25~4.0mm²)	
Rated Voltage	630V		250V	630V	
Impulse voltage	6000V		4000V	6000V	
Locking system	M23*1.0 screw				
Termination	Crimping				
Wire gauge	Max.0.34mm² ~ 4.0mm² (AWG22 ~ AWG12)				
Cable outlet	7.5~17mm				
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	Brass, nickel-plated				
Contacts carrier	PA6				
Screw nut	Brass, nickel-plated				
Contacts	Brass, CNC				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67				
Pollution degree	3				
Overvoltage category	2				
EMC Shielding	Shielded				
Cable Recommendation	Refers to page 341				

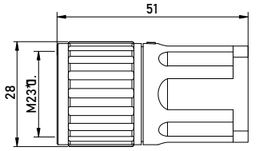
Ordering No.		
Poles	Male	
6Pin (5+PE)	EPIC MGH5EP1LCAB	7433506941
8Pin (4+3+PE)	EPIC MGH43EP1LCAB	7433506942

Cable Recommendation



M23 Female, Flange Panel Mount Connector, Crimping Termination

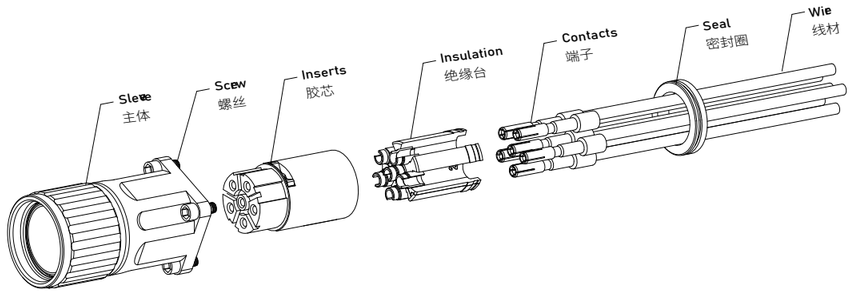




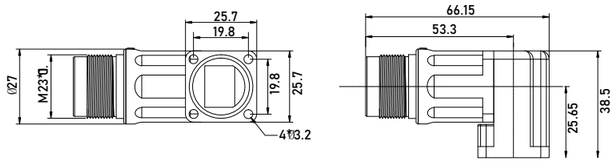
Connector Technical data					
Contacts No.	6 (5+PE)		8(4+3+PE)		
Front View					
Contacts	5	PE	4	3	PE
Rated current @ 20°C	30A		9A	30A	
Contact OD(mm)	2.0(0.25~4.0mm²)		1.0(0.08~1.0mm²)	2.0(0.25~4.0mm²)	
Rated Voltage	630V		250V	630V	
Impulse voltage	6000V		4000V	6000V	
Locking system	M23*1.0 screw				
Termination	Crimping				
Wire gauge	Max.0.34mm² ~ 4.0mm² (AWG22 ~ AWG12)				
Cable outlet	7.5~17mm				
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	Brass, nickel-plated				
Contacts carrier	PA6				
Screw nut	Brass, nickel-plated				
Contacts	Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67				
Pollution degree	3				
Overvoltage category	2				
EMC Shielding	Shielded				
Cable Recommendation	Refers to page 341				

Ordering No.		
Poles	Female	
6Pin (5+PE)	EPIC MGH5EP1RCAB	7433506945
8Pin (4+3+PE)	EPIC MGH43EP1RCAB	7433506946

Cable Recommendation



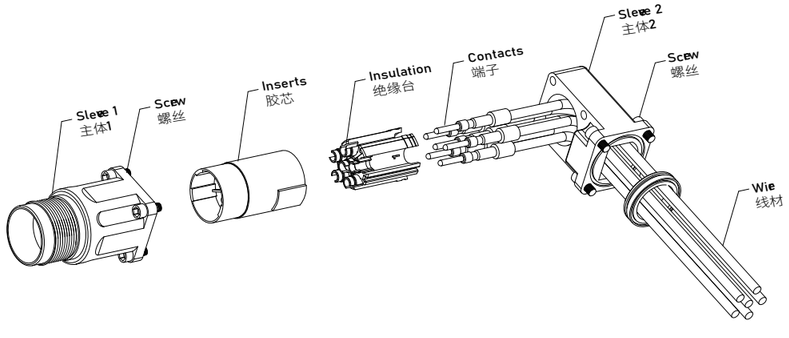
M23 Male, Flange Panel Mount Connector, Crimping Termination, Right Angled



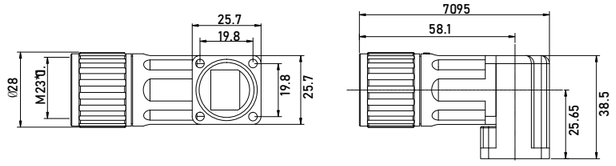
Connector Technical data					
Contacts No.	6 (5+PE)		8(4+3+PE)		
Front View					
Contacts	5	PE	4	3	PE
Rated current @ 20°C	30A		9A	30A	
Contact OD(mm)	2.0(0.25~4.0mm²)		1.0(0.08~1.0mm²)	2.0(0.25~4.0mm²)	
Rated Voltage	630V		250V	630V	
Impulse voltage	6000V		4000V	6000V	
Locking system	M23*1.0 screw				
Termination	Crimping				
Wire gauge	Max.0.34mm² ~ 4.0mm² (AWG22 ~ AWG12)				
Cable outlet	7.5~17mm				
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	Brass, nickel-plated				
Contacts carrier	PA6				
Screw nut	Brass, nickel-plated				
Contacts	Brass, CNC				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67				
Pollution degree	3				
Overvoltage category	2				
EMC Shielding	Shielded				
Cable Recommendation	Refers to page 341				

Ordering No.		
Poles	Male	
6Pin (5+PE)	EPIC MGH5EP1RCAB	7433506945
8Pin (4+3+PE)	EPIC MGH43EP1RCAB	7433506946

Cable Recommendation



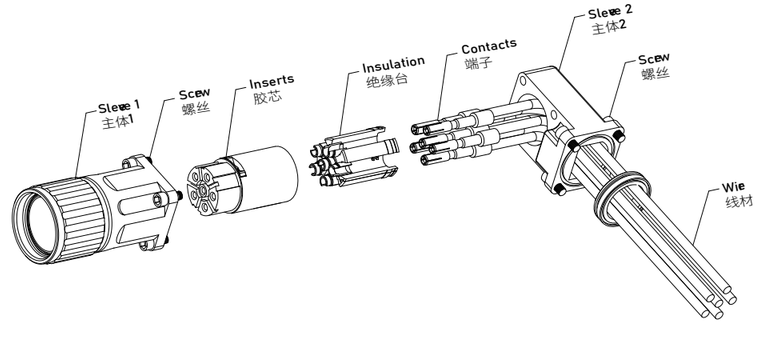
M23 Female, Flange Panel Mount Connector, Crimping Termination, Right Angled



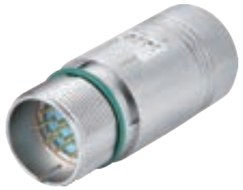
Connector Technical data					
Contacts No.	6 (5+PE)		8(4+3+PE)		
Front View					
Contacts	5	PE	4	3	PE
Rated current @ 20°C	30A		9A	30A	
Contact OD(mm)	2.0(0.25~4.0mm²)		1.0(0.08~1.0mm²)	2.0(0.25~4.0mm²)	
Rated Voltage	630V		250V	630V	
Impulse voltage	6000V		4000V	6000V	
Locking system	M23*1.0 screw				
Termination	Crimping				
Wire gauge	Max.0.34mm² ~ 4.0mm² (AWG22 ~ AWG12)				
Cable outlet	7.5~17mm				
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	Brass, nickel-plated				
Contacts carrier	PA6				
Screw nut	Brass, nickel-plated				
Contacts	Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM/ Silicon				
Protection degree	IP67				
Pollution degree	3				
Overvoltage category	2				
EMC Shielding	Shielded				
Cable Recommendation	Refers to page 341				

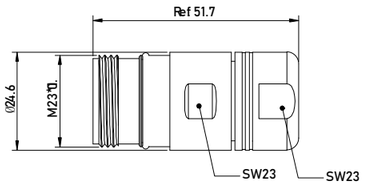
Ordering No.		
Poles	Female	
6Pin (5+PE)	EPIC MGH5EP2LCAB	7433506943
8Pin (4+3+PE)	EPIC MGH45EP2LCAB	7433506944

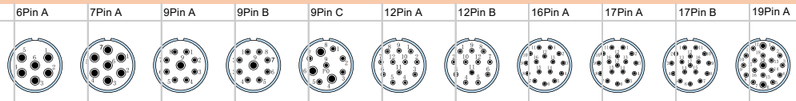
Cable Recommendation



M23 male screw thread, male insert, Field wireable signal connector

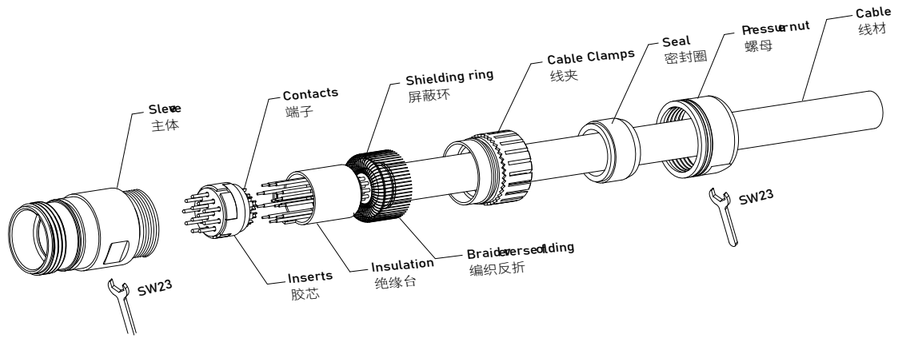




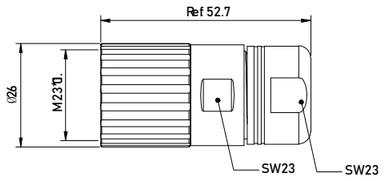
Connector Technical data												
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A	
Front View												
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin	
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1		1	1.5
Rated current @ 20℃	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A		8A	10A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V		160V	160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V		1500V	1500V
Locking system	M23*1.0 screw											
Termination	Crimping					Soldering						
Wire gauge	14AWG		18AWG / 14AWG			18AWG		18AWG	18AWG		18AWG	16AWG
Cable outlet	7.5~17mm											
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80											
Insulation resistance	> 100MΩ											
Contact resistance	< 5mΩ											
Connector body	Brass, nickel-plated											
Contacts carrier	PA6											
Screw nut	Brass, nickel-plated											
Contacts	Brass, CNC											
Contacts plating	Au (Gold)											
O-Ring	FKM/ Silicon											
Protection degree	IP67											
Pollution degree	3											
Overvoltage category	2											
EMC Shielding	Shielded											
Cable Recommendation	Refers to page 341											

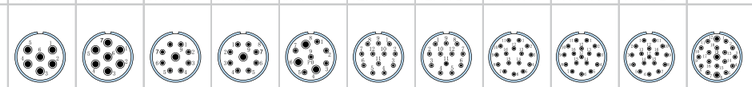
Ordering No.			
Cable OD Range	Cable outlet		
	4.5~8.5mm	6~10mm	9~13mm
6Pin A	EPIC MG06A1LCASB8.5	EPIC MG06A1LCASB10	EPIC MG06A1LCASB13
7Pin A	EPIC MG07A1LCASB8.5	EPIC MG07A1LCASB10	EPIC MG07A1LCASB13
9Pin A	EPIC MG09A1LCASB8.5	EPIC MG09A1LCASB10	EPIC MG09A1LCASB13
9Pin B	EPIC MG09A1LCBSB8.5	EPIC MG09A1LCBSB10	EPIC MG09A1LCBSB13
9Pin C	EPIC MG09A1LCCSB8.5	EPIC MG09A1LCCSB10	EPIC MG09A1LCCSB13
12Pin A	EPIC MG12A1LSASB8.5	EPIC MG12A1LCASB10	EPIC MG12A1LSASB13
12Pin B	EPIC MG12A1LSBSB8.5	EPIC MG12A1LSBSB10	EPIC MG12A1LSBSB13
16Pin A	EPIC MG16A1LSASB8.5	EPIC MG16A1LSASB10	EPIC MG16A1LSASB13
17Pin A	EPIC MG17A1LSASB8.5	EPIC MG17A1LSASB10	EPIC MG17A1LSASB13
17Pin B	EPIC MG17A1LSBSB8.5	EPIC MG17A1LSBSB10	EPIC MG17A1LSBSB13
19Pin A	EPIC MG19A1LSASB8.5	EPIC MG19A1LSASB10	EPIC MG19A1LSASB13

Assembly Instruction



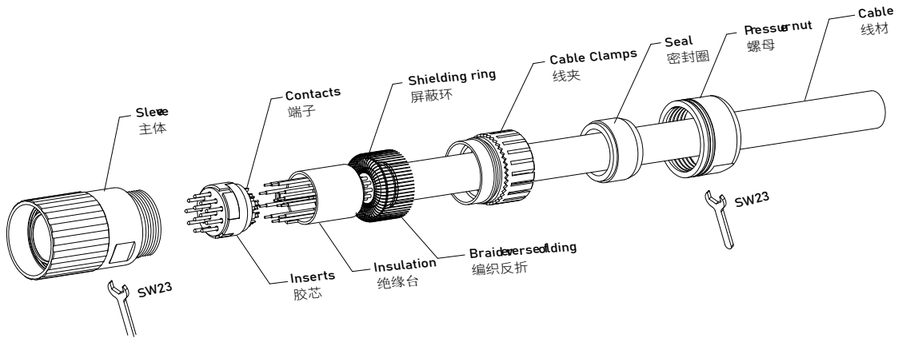
M23 female screw thread, male insert, Field wireable signal connector



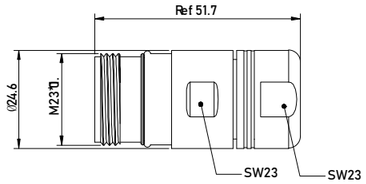
Connector Technical data											
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A	
Front View												
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin	
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1		1	1.5
Rated current @ 20℃	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A		8A	10A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V		160V	160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V		1500V	1500V
Locking system	M23*1.0 screw											
Termination	Crimping					Soldering						
Wire gauge	14AWG		18AWG / 14AWG			18AWG		18AWG	18AWG		18AWG	16AWG
Cable outlet	7.5~17mm											
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80											
Insulation resistance	> 100MΩ											
Contact resistance	< 5mΩ											
Connector body	Brass, nickel-plated											
Contacts carrier	PA6											
Screw nut	Brass, nickel-plated											
Contacts	Brass, CNC											
Contacts plating	Au (Gold)											
O-Ring	FKM/ Silicon											
Protection degree	IP67											
Pollution degree	3											
Overvoltage category	2											
EMC Shielding	Shielded											
Cable Recommendation	Refers to page 341											

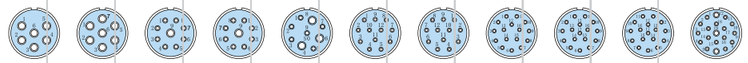
Ordering No.			
Cable OD Range	Cable outlet		
	4.5~8.5mm	6~10mm	9~13mm
6Pin A	EPIC MG06A1LCRPASB8.5	EPIC MG06A1LCRPASB10	EPIC MG06A1LCRPASB13
7Pin A	EPIC MG07A1LCRPASB8.5	EPIC MG07A1LCRPASB10	EPIC MG07A1LCRPASB13
9Pin A	EPIC MG09A1LCRPASB8.5	EPIC MG09A1LCRPASB10	EPIC MG09A1LCRPASB13
9Pin B	EPIC MG09A1LCRPBSB8.5	EPIC MG09A1LCRPBSB10	EPIC MG09A1LCRPBSB13
9Pin C	EPIC MG09A1LCRPCSB8.5	EPIC MG09A1LCRPCSB10	EPIC MG09A1LCRPCSB13
12Pin A	EPIC MG12A1LSRPASB8.5	EPIC MG12A1LSRPASB10	EPIC MG12A1LSRPASB13
12Pin B	EPIC MG12A1LSRPBSB8.5	EPIC MG12A1LSRPBSB10	EPIC MG12A1LSRPBSB13
16Pin A	EPIC MG16A1LSRPASB8.5	EPIC MG16A1LSRPASB10	EPIC MG16A1LSRPASB13
17Pin A	EPIC MG17A1LSRPASB8.5	EPIC MG17A1LSRPASB10	EPIC MG17A1LSRPASB13
17Pin B	EPIC MG17A1LSRPBSB8.5	EPIC MG17A1LSRPBSB10	EPIC MG17A1LSRPBSB13
19Pin A	EPIC MG19A1LSRPASB8.5	EPIC MG19A1LSRPASB10	EPIC MG19A1LSRPASB13

Assembly Instruction



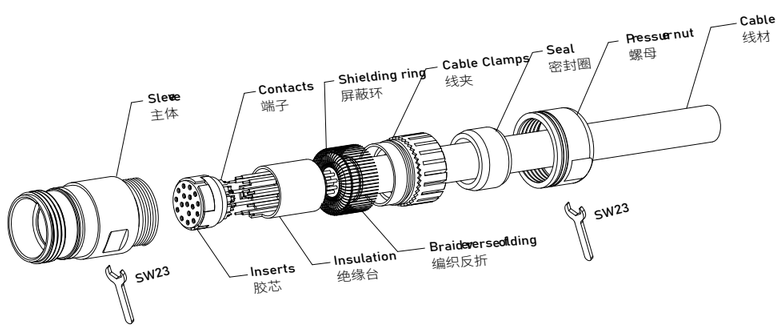
M23 male screw thread, female insert, Field wireable signal connector



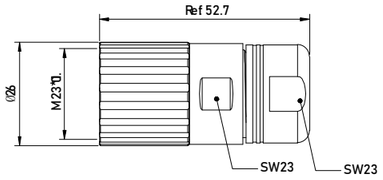
Connector Technical data											
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A
Front View											
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1	1	1.5
Rated current @ 20°C	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A	8A	10A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V	160V	160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V	1500V	1500V
Locking system	M23*1.0 screw										
Termination	Crimping					Soldering					
Wire gauge	14AWG		18AWG / 14AWG			18AWG		18AWG	18AWG	18AWG	16AWG
Cable outlet	7.5~17mm										
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80										
Insulation resistance	> 100MΩ										
Contact resistance	< 5mΩ										
Connector body	Brass, nickel-plated										
Contacts carrier	PA6										
Screw nut	Brass, nickel-plated										
Contacts	Phosphor bronze										
Contacts plating	Au (Gold)										
O-Ring	FKM/ Silicon										
Protection degree	IP67										
Pollution degree	3										
Overvoltage category	2										
EMC Shielding	Shielded										
Cable Recommendation	Refers to page 341										

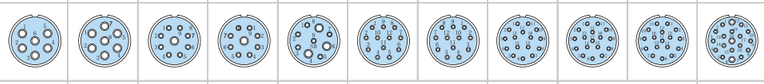
Ordering No.			
Cable OD Range	Cable outlet		
	4.5~8.5mm	6~10mm	9~13mm
6Pin A	EPIC MG06A2LCRPASB8.5	EPIC MG06A2LCRPASB10	EPIC MG06A2LCRPASB13
7Pin A	EPIC MG07A2LCRPASB8.5	EPIC MG07A2LCRPASB10	EPIC MG07A2LCRPASB13
9Pin A	EPIC MG09A2LCRPASB8.5	EPIC MG09A2LCRPASB10	EPIC MG09A2LCRPASB13
9Pin B	EPIC MG09A2LCRPBSB8.5	EPIC MG09A2LCRPBSB10	EPIC MG09A2LCRPBSB13
9Pin C	EPIC MG09A2LCRPCSB8.5	EPIC MG09A2LCRPCSB10	EPIC MG09A2LCRPCSB13
12Pin A	EPIC MG12A2LSRPASB8.5	EPIC MG12A2LSRPASB10	EPIC MG12A2LSRPASB13
12Pin B	EPIC MG12A2LSRPBSB8.5	EPIC MG12A2LSRPBSB10	EPIC MG12A2LSRPBSB13
16Pin A	EPIC MG16A2LSRPASB8.5	EPIC MG16A2LSRPASB10	EPIC MG16A2LSRPASB13
17Pin A	EPIC MG17A2LSRPASB8.5	EPIC MG17A2LSRPASB10	EPIC MG17A2LSRPASB13
17Pin B	EPIC MG17A2LSRPBSB8.5	EPIC MG17A2LSRPBSB10	EPIC MG17A2LSRPBSB13
19Pin A	EPIC MG19A2LSRPASB8.5	EPIC MG19A2LSRPASB10	EPIC MG19A2LSRPASB13

Assembly Instruction



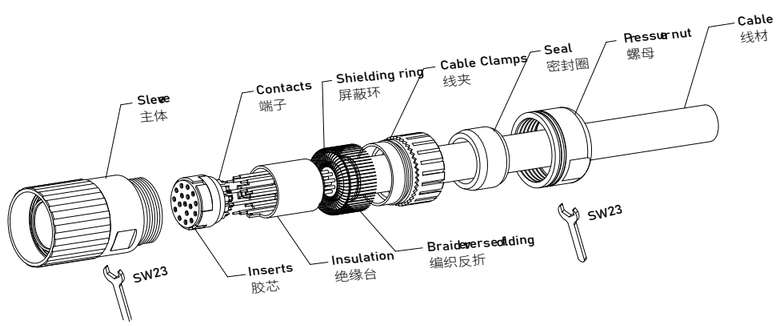
M23 female screw thread, female insert, Field wireable signal connector



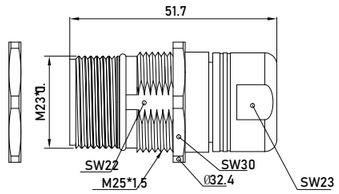
Connector Technical data											
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A
Front View											
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1	1	1.5
Rated current @ 20°C	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A	8A	10A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V	160V	160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V	1500V	1500V
Locking system	M23*1.0 screw										
Termination	Crimping					Soldering					
Wire gauge	14AWG		18AWG / 14AWG			18AWG		18AWG	18AWG	18AWG	16AWG
Cable outlet	7.5~17mm										
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80										
Insulation resistance	> 100MΩ										
Contact resistance	< 5mΩ										
Connector body	Brass, nickel-plated										
Contacts carrier	PA6										
Screw nut	Brass, nickel-plated										
Contacts	Brass, CNC										
Contacts plating	Au (Gold)										
O-Ring	FKM/ Silicon										
Protection degree	IP67										
Pollution degree	3										
Overvoltage category	2										
EMC Shielding	Shielded										
Cable Recommendation	Refers to page 341										

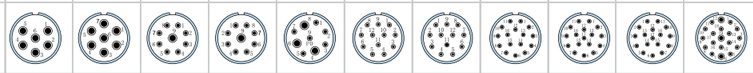
Ordering No.			
Cable OD Range	Cable outlet		
	4.5~8.5mm	6~10mm	9~13mm
6Pin A	EPIC MG06A2LCASB8.5	EPIC MG06A2LCASB10	EPIC MG06A2LCASB13
7Pin A	EPIC MG07A2LCASB8.5	EPIC MG07A2LCASB10	EPIC MG07A2LCASB13
9Pin A	EPIC MG09A2LCASB8.5	EPIC MG09A2LCASB10	EPIC MG09A2LCASB13
9Pin B	EPIC MG09A2LCBSB8.5	EPIC MG09A2LCBSB10	EPIC MG09A2LCBSB13
9Pin C	EPIC MG09A2LCCSB8.5	EPIC MG09A2LCCSB10	EPIC MG09A2LCCSB13
12Pin A	EPIC MG12A2LSASB8.5	EPIC MG12A2LSASB10	EPIC MG12A2LSASB13
12Pin B	EPIC MG12A2LSBSB8.5	EPIC MG12A2LSBSB10	EPIC MG12A2LSBSB13
16Pin A	EPIC MG16A2LSASB8.5	EPIC MG16A2LSASB10	EPIC MG16A2LSASB13
17Pin A	EPIC MG17A2LSASB8.5	EPIC MG17A2LSASB10	EPIC MG17A2LSASB13
17Pin B	EPIC MG17A2LSBSB8.5	EPIC MG17A2LSBSB10	EPIC MG17A2LSBSB13
19Pin A	EPIC MG19A2LSASB8.5	EPIC MG19A2LSASB10	EPIC MG19A2LSASB13

Assembly Instruction



M23 male screw thread, male insert, panel mount, Field wireable signal connector

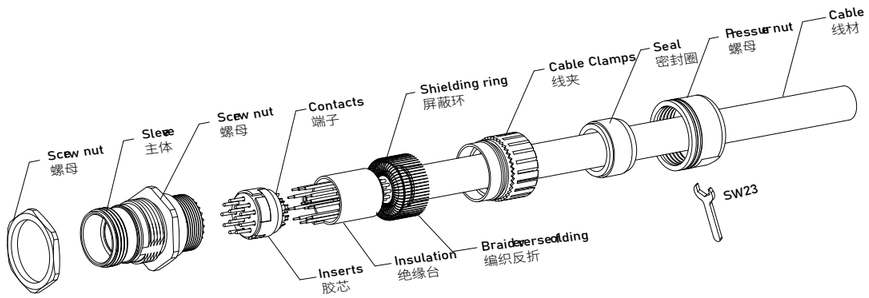


Connector Technical data											
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A
Front View											
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1	1	1.5
Rated current @ 20°C	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A	8A	10A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V	160V	160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V	1500V	1500V
Locking system	M23*1.0 screw										
Termination	Crimping					Soldering					
Wire gauge	14AWG		18AWG / 14AWG			18AWG		18AWG	18AWG	18AWG	16AWG
Cable outlet	7.5~17mm										
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80										
Insulation resistance	> 100MΩ										
Contact resistance	< 5mΩ										
Connector body	Brass, nickel-plated										
Contacts carrier	PA6										
Screw nut	Brass, nickel-plated										
Contacts	Brass, CNC										
Contacts plating	Au (Gold)										
O-Ring	FKM/ Silicon										
Protection degree	IP67										
Pollution degree	3										
Overvoltage category	2										
EMC Shielding	Shielded										
Cable Recommendation	Refers to page 341										

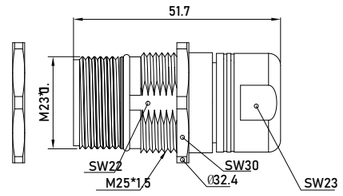
Ordering No.

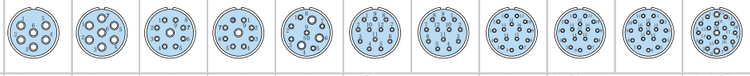
Cable OD Range	Cable outlet		
	4.5~8.5mm	6~10mm	9~13mm
6Pin A	EPIC MG06P9LCASB8.5	EPIC MG06P9LCASB10	EPIC MG06P9LCASB13
7Pin A	EPIC MG07P9LCASB8.5	EPIC MG07P9LCASB10	EPIC MG07P9LCASB13
9Pin A	EPIC MG09P9LCASB8.5	EPIC MG09P9LCASB10	EPIC MG09P9LCASB13
9Pin B	EPIC MG09P9LCBSB8.5	EPIC MG09P9LCBSB10	EPIC MG09P9LCBSB13
9Pin C	EPIC MG09P9LCCSB8.5	EPIC MG09P9LCCSB10	EPIC MG09P9LCCSB13
12Pin A	EPIC MG12P9LSASB8.5	EPIC MG12P9LSASB10	EPIC MG12P9LSASB13
12Pin B	EPIC MG12P9LSBSB8.5	EPIC MG12P9LSBSB10	EPIC MG12P9LSBSB13
16Pin A	EPIC MG16P9LSASB8.5	EPIC MG16P9LSASB10	EPIC MG16P9LSASB13
17Pin A	EPIC MG17P9LSASB8.5	EPIC MG17P9LSASB10	EPIC MG17P9LSASB13
17Pin B	EPIC MG17P9LSBSB8.5	EPIC MG17P9LSBSB10	EPIC MG17P9LSBSB13
19Pin A	EPIC MG19P9LSASB8.5	EPIC MG19P9LSASB10	EPIC MG19P9LSASB13

Assembly Instruction



M23 male screw thread, female insert, panel mount, Field wireable signal connector

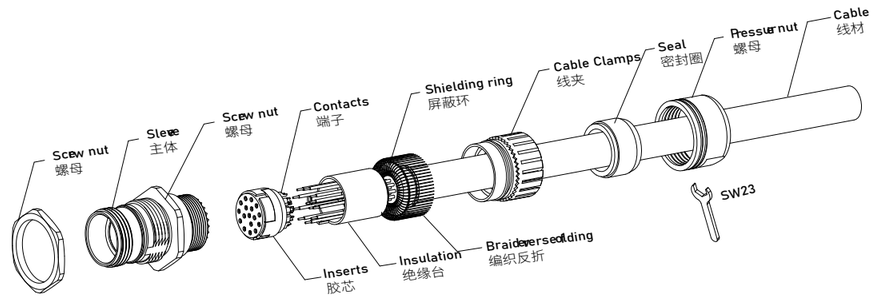


Connector Technical data											
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A
Front View											
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1	1	1.5
Rated current @ 20°C	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A	8A	10A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V	160V	160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V	1500V	1500V
Locking system	M23*1.0 screw										
Termination	Crimping					Soldering					
Wire gauge	14AWG		18AWG / 14AWG			18AWG		18AWG	18AWG	18AWG	16AWG
Cable outlet	7.5~17mm										
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80										
Insulation resistance	> 100MΩ										
Contact resistance	< 5mΩ										
Connector body	Brass, nickel-plated										
Contacts carrier	PA6										
Screw nut	Brass, nickel-plated										
Contacts	Phosphor bronze										
Contacts plating	Au (Gold)										
O-Ring	FKM/ Silicon										
Protection degree	IP67										
Pollution degree	3										
Overvoltage category	2										
EMC Shielding	Shielded										
Cable Recommendation	Refers to page 341										

Ordering No.

Cable OD Range	Cable outlet		
	4.5~8.5mm	6~10mm	9~13mm
6Pin A	EPIC MG06P8LCRPASB8.5	EPIC MG06P8LCRPASB10	EPIC MG06P8LCRPASB13
7Pin A	EPIC MG07P8LCRPASB8.5	EPIC MG07P8LCRPASB10	EPIC MG07P8LCRPASB13
9Pin A	EPIC MG09P8LCRPASB8.5	EPIC MG09P8LCRPASB10	EPIC MG09P8LCRPASB13
9Pin B	EPIC MG09P8LCRPBSB8.5	EPIC MG09P8LCRPBSB10	EPIC MG09P8LCRPBSB13
9Pin C	EPIC MG08P9LCRPCSB8.5	EPIC MG09P8LCRPCSB10	EPIC MG09P8LCRPCSB13
12Pin A	EPIC MG12P8LSRPASB8.5	EPIC MG12P8LSRPASB10	EPIC MG12P8LSRPASB13
12Pin B	EPIC MG12P8LSRPBSB8.5	EPIC MG12P8LSRPBSB10	EPIC MG12P8LSRPBSB13
16Pin A	EPIC MG16P8LSRPASB8.5	EPIC MG16P8LSRPASB10	EPIC MG16P8LSRPASB13
17Pin A	EPIC MG17P8LSRPASB8.5	EPIC MG17P8LSRPASB10	EPIC MG17P8LSRPASB13
17Pin B	EPIC MG17P8LSRPBSB8.5	EPIC MG17P8LSRPBSB10	EPIC MG17P8LSRPBSB13
19Pin A	EPIC MG19P8LSRPASB8.5	EPIC MG19P8LSRPASB10	EPIC MG19P8LSRPASB13

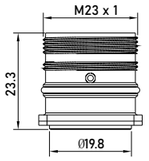
Assembly Instruction

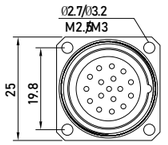


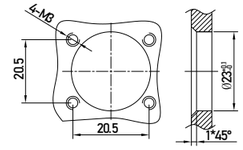
M23 Square Flange Screw Panel Mount Connector, with Wires

Male 公头

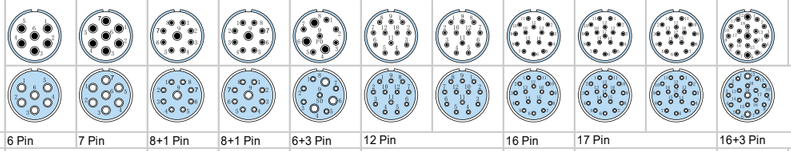
Female 母头



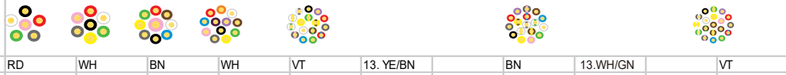




Flange cutting 法兰盘铣刀面

Connector Technical data											
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A
Front View											
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1		1
Rated current @ 20°C	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A		8A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V		160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V		1500V
Locking system	M23*1.0 screw										
Termination	Crimping					Soldering					
Wire gauge	14AWG		18AWG / 14AWG			18AWG		18AWG	18AWG		18AWG
Cable outlet	7.5~17mm										
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80										
Insulation resistance	> 100MΩ										
Contact resistance	< 5mΩ										
Connector body	Brass, nickel-plated										
Contacts carrier	PA6										
Screw nut	Brass, nickel-plated										
Contacts	Brass,CNC,Phosphor bronze										
Contacts plating	Au (Gold)										
O-Ring	FKM/ Silicon										
Protection degree	IP67										
Pollution degree	3										
Overvoltage category	2										
EMC Shielding	Shielded										

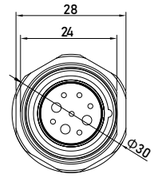
Ordering No.						
Poles	Male			Female		
	200mm	300mm	500mm	200mm	300mm	500mm
6Pin A	EPIC MG06P1LCABF14W02	EPIC MG06P1LCABF14W03	EPIC MG06P1LCABF14W05	EPIC MG06P2LCABF14W02	EPIC MG06P2LCABF14W03	EPIC MG06P2LCABF14W05
7Pin A	EPIC MG07P1LCABF14W02	EPIC MG07P1LCABF14W03	EPIC MG07P1LCABF14W05	EPIC MG07P2LCABF14W02	EPIC MG07P2LCABF14W03	EPIC MG07P2LCABF14W05
9Pin A	EPIC MG09P1LCABF18W02	EPIC MG09P1LCABF18W03	EPIC MG09P1LCABF18W05	EPIC MG09P2LCABF18W02	EPIC MG09P2LCABF18W03	EPIC MG09P2LCABF18W05
9Pin B	EPIC MG09P1LCBBF18W02	EPIC MG09P1LCBBF18W03	EPIC MG09P1LCBBF18W05	EPIC MG09P2LCBBF18W02	EPIC MG09P2LCBBF18W03	EPIC MG09P2LCBBF18W05
9Pin C	EPIC MG09P1LCCBF18W02	EPIC MG09P1LCCBF18W03	EPIC MG09P1LCCBF18W05	EPIC MG09P2LCCBF18W02	EPIC MG09P2LCCBF18W03	EPIC MG09P2LCCBF18W05
12Pin A	EPIC MG12P1LSABF18W02	EPIC MG12P1LSABF18W03	EPIC MG12P1LSABF18W05	EPIC MG12P2LSABF18W02	EPIC MG12P2LSABF18W03	EPIC MG12P2LSABF18W05
12Pin B	EPIC MG12P1LSBBF18W02	EPIC MG12P1LSBBF18W03	EPIC MG12P1LSBBF18W05	EPIC MG12P2LSBBF18W02	EPIC MG12P2LSBBF18W03	EPIC MG12P2LSBBF18W05
16Pin A	EPIC MG16P1LSABF18W02	EPIC MG16P1LSABF18W03	EPIC MG16P1LSABF18W05	EPIC MG16P2LSABF18W02	EPIC MG16P2LSABF18W03	EPIC MG16P2LSABF18W05
17Pin A	EPIC MG17P1LSABF18W02	EPIC MG17P1LSABF18W03	EPIC MG17P1LSABF18W05	EPIC MG17P2LSABF18W02	EPIC MG17P2LSABF18W03	EPIC MG17P2LSABF18W05
17Pin B	EPIC MG17P1LSBBF18W02	EPIC MG17P1LSBBF18W03	EPIC MG17P1LSBBF18W05	EPIC MG17P2LSBBF18W02	EPIC MG17P2LSBBF18W03	EPIC MG17P2LSBBF18W05
19Pin A	EPIC MG19P1LSABF18W02	EPIC MG19P1LSABF18W03	EPIC MG19P1LSABF18W05	EPIC MG19P2LSABF18W02	EPIC MG19P2LSABF18W03	EPIC MG19P2LSABF18W05

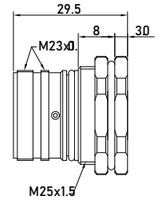
Cable's Color Coding & Wiring											
Poles & Wire Color											
Pin 1	RD	WH	BN	WH	VT	13. YE/BN		BN	13.WH/GN		VT	13.PK
Pin 2	BK	GN	WH	BN	RD	13. WH		BU	14. BN/YE		RD	14.BN/GY
Pin 3	WH	YE	BU	GN	GY	13. YE		WH	15. WH/YE		GY	15.BN/YE
Pin 4	GN	GY	BK	YE	RD/BU			GN	16. YE/BN		RD/BU	16.BN/GN
Pin 5	GY	PK	GY	GY	GN			PK	17. WH/GY		GN	17.WH
Pin 6	PK	RD	YE	PK	BU			YE			BU	18.YE
Pin 7		BK	GN	BU	GY/PK			BK			GY/PK	19.BN
Pin 8			RD	RD	WH/GU			GY			GN/WH	
Pin 9			PK	OR	WH/YE			RD			YE/WH	
Pin 10				VT	WH/GY			VT			GY/WH	
Pin 11				BK	BK			GY/PK			BK	
Pin 12				DP	GN/YE			RD/BU			GN/YE	

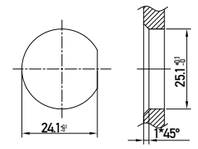
M23 Hexagon Screw Panel Mount Connector, with Wires

Male 公头

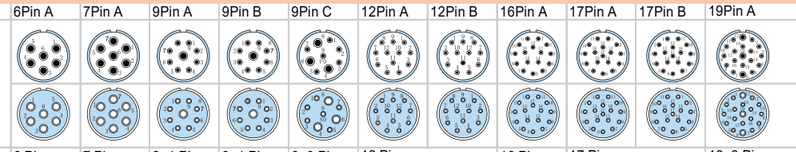
Female 母头







D-cutting D型铣刀面

Connector Technical data											
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A
Front View											
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1		1
Rated current @ 20°C	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A		8A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V		160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V		1500V
Locking system	M23*1.0 screw										
Termination	Crimping					Soldering					
Wire gauge	14AWG		18AWG / 14AWG			18AWG		18AWG	18AWG		18AWG
Cable outlet	7.5~17mm										
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80										
Insulation resistance	> 100MΩ										
Contact resistance	< 5mΩ										
Connector body	Brass, nickel-plated										
Contacts carrier	PA6										
Screw nut	Brass, nickel-plated										
Contacts	Brass,CNC,Phosphor bronze										
Contacts plating	Au (Gold)										
O-Ring	FKM/ Silicon										
Protection degree	IP67,IP68										
Pollution degree	3										
Overvoltage category	2										
EMC Shielding	Shielded										

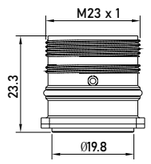
Ordering No.						
Poles	Male			Female		
	200mm	300mm	500mm	200mm	300mm	500mm
6Pin A	EPIC MG06P1LCABH14W02	EPIC MG06P1LCABH14W03	EPIC MG06P1LCABH14W05	EPIC MG06P2LCABH14W02	EPIC MG06P2LCABH14W03	EPIC MG06P2LCABH14W05
7Pin A	EPIC MG07P1LCABH14W02	EPIC MG07P1LCABH14W03	EPIC MG07P1LCABH14W05	EPIC MG07P2LCABH14W02	EPIC MG07P2LCABH14W03	EPIC MG07P2LCABH14W05
9Pin A	EPIC MG09P1LCABH18W02	EPIC MG09P1LCABH18W03	EPIC MG09P1LCABH18W05	EPIC MG09P2LCABH18W02	EPIC MG09P2LCABH18W03	EPIC MG09P2LCABH18W05
9Pin B	EPIC MG09P1LCBBH18W02	EPIC MG09P1LCBBH18W03	EPIC MG09P1LCBBH18W05	EPIC MG09P2LCBBH18W02	EPIC MG09P2LCBBH18W03	EPIC MG09P2LCBBH18W05
9Pin C	EPIC MG09P1LCCBH18W02	EPIC MG09P1LCCBH18W03	EPIC MG09P1LCCBH18W05	EPIC MG09P2LCCBH18W02	EPIC MG09P2LCCBH18W03	EPIC MG09P2LCCBH18W05
12Pin A	EPIC MG12P1LSABH18W02	EPIC MG12P1LSABH18W03	EPIC MG12P1LSABH18W05	EPIC MG12P2LSABH18W02	EPIC MG12P2LSABH18W03	EPIC MG12P2LSABH18W05
12Pin B	EPIC MG12P1LSBBH18W02	EPIC MG12P1LSBBH18W03	EPIC MG12P1LSBBH18W05	EPIC MG12P2LSBBH18W02	EPIC MG12P2LSBBH18W03	EPIC MG12P2LSBBH18W05
16Pin A	EPIC MG16P1LSABH18W02	EPIC MG16P1LSABH18W03	EPIC MG16P1LSABH18W05	EPIC MG16P2LSABH18W02	EPIC MG16P2LSABH18W03	EPIC MG16P2LSABH18W05
17Pin A	EPIC MG17P1LSABH18W02	EPIC MG17P1LSABH18W03	EPIC MG17P1LSABH18W05	EPIC MG17P2LSABH18W02	EPIC MG17P2LSABH18W03	EPIC MG17P2LSABH18W05
17Pin B	EPIC MG17P1LSBBH18W02	EPIC MG17P1LSBBH18W03	EPIC MG17P1LSBBH18W05	EPIC MG17P2LSBBH18W02	EPIC MG17P2LSBBH18W03	EPIC MG17P2LSBBH18W05
19Pin A	EPIC MG19P1LSABH18W02	EPIC MG19P1LSABH18W03	EPIC MG19P1LSABH18W05	EPIC MG19P2LSABH18W02	EPIC MG19P2LSABH18W03	EPIC MG19P2LSABH18W05

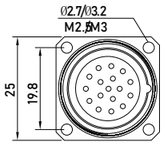
Cable's Color Coding & Wiring											
Poles & Wire Color											
Pin 1	RD	WH	BN	WH	VT	13. YE/BN		BN	13.WH/GN		VT	13.PK
Pin 2	BK	GN	WH	BN	RD	13. WH		BU	14. BN/YE		RD	14.BN/GY
Pin 3	WH	YE	BU	GN	GY	13. YE		WH	15. WH/YE		GY	15.BN/YE
Pin 4	GN	GY	BK	YE	RD/BU			GN	16. YE/BN		RD/BU	16.BN/GN
Pin 5	GY	PK	GY	GY	GN			PK	17. WH/GY		GN	17.WH
Pin 6	PK	RD	YE	PK	BU			YE			BU	18.YE
Pin 7		BK	GN	BU	GY/PK			BK			GY/PK	19.BN
Pin 8			RD	RD	WH/GU			GY			GN/WH	
Pin 9			PK	OR	WH/YE			RD			YE/WH	
Pin 10				VT	WH/GY			VT			GY/WH	
Pin 11				BK	BK			GY/PK			BK	
Pin 12				DP	GN/YE			RD/BU			GN/YE	

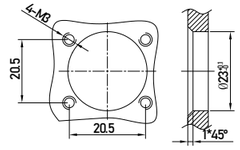
M23 Square Flange Screw Panel Mount Connector, PCB Contacts

Male 公头

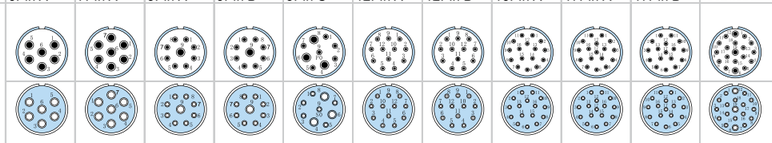
Female 母头





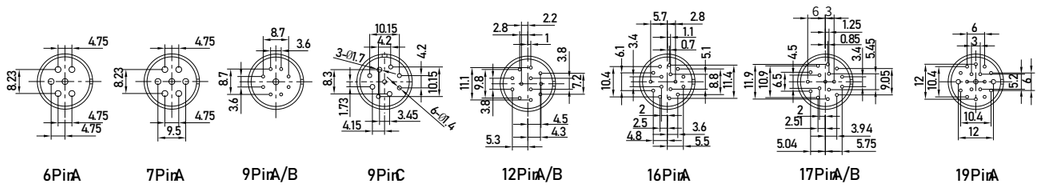


Flange cutting 法兰盘铣刀面

Connector Technical data											
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A
Front View											
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1	1	1.5
Rated current @ 20°C	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A	8A	10A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V	160V	160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V	1500V	1500V
Locking system	M23*1.0 screw										
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80										
Insulation resistance	> 100MΩ										
Contact resistance	< 5mΩ										
Connector body	Brass, nickel-plated										
Contacts carrier	PA6										
Screw nut	Brass, nickel-plated										
Contacts	Brass,CNC										
Contacts plating	Au (Gold)										
O-Ring	FKM/ Silicon										
Protection degree	IP67,IP68										
Pollution degree	3										
Overvoltage category	2										
EMC Shielding	Shielded										

Ordering No.		
Poles	Male	Female
6Pin A	EPIC MG06P1LPABF	EPIC MG06P2LPABF
7Pin A	EPIC MG07P1LPABF	EPIC MG07P2LPABF
9Pin A	EPIC MG09P1LPABF	EPIC MG09P2LPABF
9Pin B	EPIC MG09P1LPBBF	EPIC MG09P2LPBBF
9Pin C	EPIC MG09P1LPCBF	EPIC MG09P2LPCBF
12Pin A	EPIC MG12P1LPABF	EPIC MG12P2LPABF
12Pin B	EPIC MG12P1LPBBF	EPIC MG12P2LPBBF
16Pin A	EPIC MG16P1LPABF	EPIC MG16P2LPABF
17Pin A	EPIC MG17P1LPABF	EPIC MG17P2LPABF
17Pin B	EPIC MG17P1LPBBF	EPIC MG17P2LPBBF
19Pin A	EPIC MG19P1LPABF	EPIC MG19P2LPABF

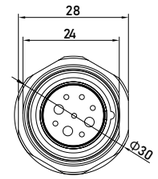
PCB Layout

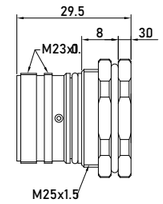


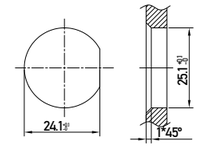
M23 Hexagon Screw Panel Mount Connector, PCB Contacts

Male 公头

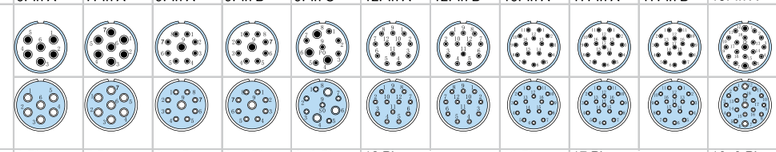
Female 母头





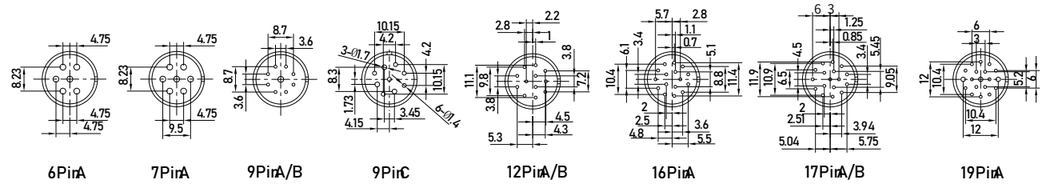


D-cutting D型铣刀面

Connector Technical data											
Contacts No.	6Pin A	7Pin A	9Pin A	9Pin B	9Pin C	12Pin A	12Pin B	16Pin A	17Pin A	17Pin B	19Pin A
Front View											
Contacts	6 Pin	7 Pin	8+1 Pin	8+1 Pin	6+3 Pin	12 Pin		16 Pin	17 Pin		16+3 Pin
Contact OD(mm)	2		1.0 / 2.0	1.0 / 2.0	1.0 / 2.0	1		1	1	1	1.5
Rated current @ 20°C	20A		8A / 20A	8A / 20A	8A / 20A	8A		8A	8A	8A	10A
Rated Voltage	300V		300V	300V	300V	300V		160V	160V	160V	160V
Impulse voltage	2500V		2500V	2500V	2500V	1500V		1500V	1500V	1500V	1500V
Locking system	M23*1.0 screw										
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80										
Insulation resistance	> 100MΩ										
Contact resistance	< 5mΩ										
Connector body	Brass, nickel-plated										
Contacts carrier	PA6										
Screw nut	Brass, nickel-plated										
Contacts	Phosphor bronze										
Contacts plating	Au (Gold)										
O-Ring	FKM/ Silicon										
Protection degree	IP67,IP68										
Pollution degree	3										
Overvoltage category	2										
EMC Shielding	Shielded										

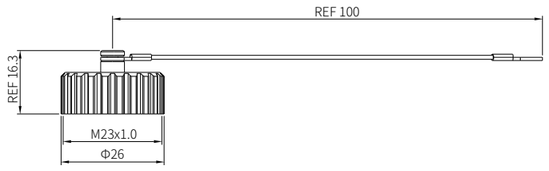
Ordering No.		
Poles	Male	Female
6Pin A	EPIC MG06P1LPABH	EPIC MG06P2LPABH
7Pin A	EPIC MG07P1LPABH	EPIC MG07P2LPABH
9Pin A	EPIC MG09P1LPABH	EPIC MG09P2LPABH
9Pin B	EPIC MG09P1LPBBH	EPIC MG09P2LPBBH
9Pin C	EPIC MG09P1LPCBH	EPIC MG09P2LPCBH
12Pin A	EPIC MG12P1LPABH	EPIC MG12P2LPABH
12Pin B	EPIC MG12P1LPBBH	EPIC MG12P2LPBBH
16Pin A	EPIC MG16P1LPABH	EPIC MG16P2LPABH
17Pin A	EPIC MG17P1LPABH	EPIC MG17P2LPABH
17Pin B	EPIC MG17P1LPBBH	EPIC MG17P2LPBBH
19Pin A	EPIC MG19P1LPABH	EPIC MG19P2LPABH

PCB Layout



M23 Metal Protection Cap for male

- Connector series: M23
- Gender: female
- Locking type: Fix screw
- Part No.: MG-PC04

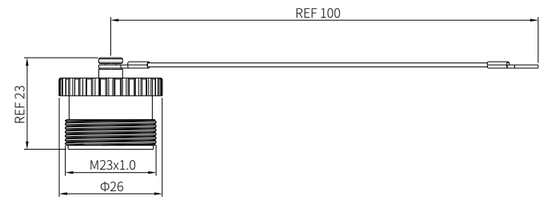


Connector Technical data	
Cap:	Aluminium alloy with nickel plated
Dowel:	Ferrum with nickel platec
Wire:	Stainless steel wire
Terminal:	M3 R type terminal (RNB1-3.2)
Gasket:	Black NBR
IP rating	IP68 in locked condition

M23 Protection Cap

M23 Metal Protection Cap for female

- Connector series: M23
- Gender: female
- Locking type: Fix screw
- Part No.: MG-PC04



Connector Technical data	
Cap:	Aluminium alloy with nickel plated
Dowel:	Ferrum with nickel platec
Wire:	Stainless steel wire
Terminal:	M3 R type terminal (RNB1-3.2)
O-Ring:	FKM
IP rating	IP68 in locked condition

M23 Signal Connector Accessories

Type	Part number	Accessories
Assembly tool for M23 singal connectors For connectors with female thread	MG-TOOL-02	

Type	Part number	Accessories
Assembly tool for M23 singal connectors For connectors with male thread	MG-TOOL-02	

M23 Cabling Recommendation

M23 Power Type Connector's Cabling

Poles & Wire Color		Poles & Wire Color	
Pin 1	OR	Pin 1	BN
Pin 2	BN	PE	WH
PE	GN	Pin 3	BU
Pin 4	RD	Pin 4	BK
Pin 5	YE	A	YE
Pin 6	BK	B	GN
		C	GY
		D	RD

M23 Signal Type Connector's Cabling

Poles & Wire Color													
Pin 1	RD		WH		BN		WH		VT		BN		VT
Pin 2	BK		GN		WH		BN		RD		BU		RD
Pin 3	WH		YE		BU		GN		GY		WH		GY
Pin 4	GN		GY		BK		YE		RD/BU		GN		RD/BU
Pin 5	GY		PK		GY		GY		GN		PK		GN
Pin 6	PK		RD		YE		PK		BU		YE		BU
Pin 7			BK		GN		BU		GY/PK		BK		GY/PK
Pin 8					RD		RD		WH/GU		GY		GN/WH
Pin 9					PK		OR		WH/YE		RD		YE/WH
Pin 10							VT		WH/GY		VT		GY/WH
Pin 11							BK		BK		GY/PK		BK
Pin 12							DP		GN/YE		RD/BU		GN/YE
Pin 13									YE/BN		WH/GN		PK
Pin 14									WH		BN/YE		BN/GY
Pin 15									YE		WH/YE		BN/YE
Pin 16											YE/BN		BN/GN
Pin 17											WH/GY		WH
Pin 18													YE
Pin 19													BN

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I/O
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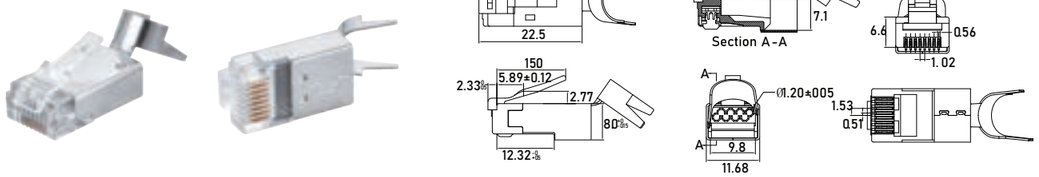
- RJ45, CAT 5E, CAT 6A, CAT 7 Ethernet cables
- USB 2.0, USB 3.0 data cable
- RS 232, RS 485, D-SUB cable connectors
- LSZH Fire retardant
- 360°EMC/ EMI Shielded
- Customized cable specification with single- or double-ended cord-sets

CAT 7 FTP 8P8C RJ45 male connector

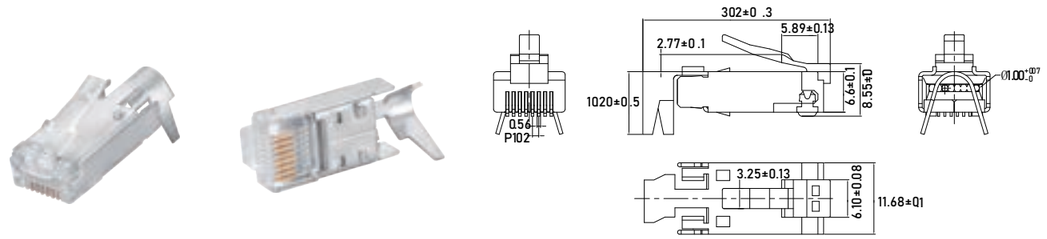


Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Termination	Insulation Percing Contact
Wire gauge	0.25mm²~0.14mm² (24AWG~26AWG)
Wire Insulation Diameter	1.0mm~1.17mm
Rated termperature	-40 ~ 80
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	Brass nickel-plated
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 7
Pollution degree	3
EMC Shielding	Shielded

Ordering No.		
Poles	P/N	
RJ45 8P8C	RJ7-8P8C	

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
	T568A	T568B
Pin 1	WH/GN	WH/OR
Pin 2	GN	OR
Pin 3	WH/OR	WH/GN
Pin 4	BU	BU
Pin 5	WH/BU	WH/BU
Pin 6	OR	GN
Pin 7	WH/BN	WH/BN
Pin 8	BN	BN
Shell	Braid	Braid

CAT 5E FTP 8P8C RJ45 male connector

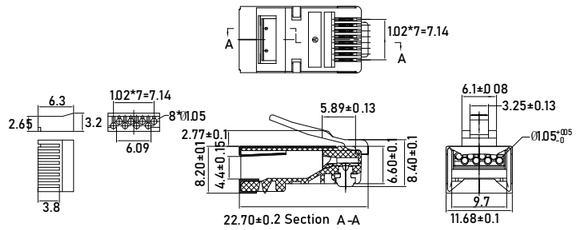


Connector Technical data		
Contacts No.	RJ45 male	
Front View		
Reference standard	IEC 60603-7-7	
Rated current	1.5A	
Rated voltage	125V	
Impulse voltage	1000V	
Termination	Insulation Percing Contact	
Wire gauge	0.14mm² (26AWG)	
Wire Insulation Diameter	< 1.05mm	
Rated temperature	-40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 20mΩ	
Contacts carrier	PC	
Shell	Brass nickel-plated	
Contacts	Brass Gold-plated	
Contacts plating	Au (Gold)	
Transmission characteristics	CAT 5E	
Pollution degree	3	
EMC Shielding	Shielded	

Ordering No.		
Poles	P/N	
RJ45 8P8C	EPIC RJ5E-8P8C	7433507212

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
	T568A	T568B
Pin 1	WH/GN	WH/OR
Pin 2	GN	OR
Pin 3	WH/OR	WH/GN
Pin 4	BU	BU
Pin 5	WH/BU	WH/BU
Pin 6	OR	GN
Pin 7	WH/BN	WH/BN
Pin 8	BN	BN
Shell	Braid	Braid

CAT 6A FTP 8P8C RJ45 male connector

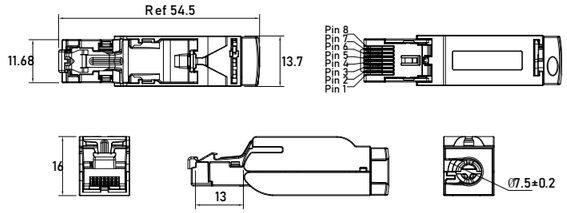


Connector Technical data		
Contacts No.	RJ45 male	
Front View		
Reference standard	IEC 60603-7-7	
Rated current	1.5A	
Rated voltage	125V	
Impulse voltage	1000V	
Termination	Insulation Percing Contact	
Wire gauge	0.14mm² (26AWG)	
Wire Insulation Diameter	< 1.05mm	
Rated termperature	-40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 20mΩ	
Contacts carrier	PC	
Shell	Brass nickel-plated	
Contacts	Brass Gold-plated	
Contacts plating	Au (Gold)	
Transmission characteristics	CAT 6A	
Pollution degree	3	
EMC Shielding	Shielded	

Ordering No.		
Poles	P/N	
RJ45 8P8C	EPIC RJ6A-8P8C	7433507213

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
	T568A	T568B
Pin 1	WH/GN	WH/OR
Pin 2	GN	OR
Pin 3	WH/OR	WH/GN
Pin 4	BU	BU
Pin 5	WH/BU	WH/BU
Pin 6	OR	GN
Pin 7	WH/BN	WH/BN
Pin 8	BN	BN
Shell	Braid	Braid

CAT 6A FTP 8P8C RJ45 male connector, Free Crimping, 180 degree cable outlet

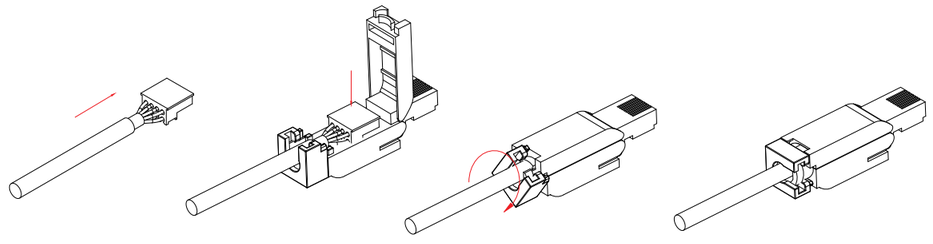


Connector Technical data		
Contacts No.	RJ45 male	
Front View		
Reference standard	IEC 60603-7-7	
Rated current	1.5A	
Rated voltage	125V	
Impulse voltage	1000V	
Type of cable outlet	180 degree cable outlet	
Termination	Insulation Percing Contact	
Wire gauge	0.34mm² ~0.14mm (² 22AWG~26AWG)	
Wire Insulation Diameter	< 1.5 mm	
Rated termperature	-25 ~ 70	
Insulation resistance	> 100MΩ	
Contact resistance	< 20mΩ	
Contacts carrier	PC	
Shell	Zinc die-casting with nickel plated	
Contacts	Brass Gold-plated	
Contacts plating	Au (Gold)	
Transmission characteristics	CAT 6A	
Pollution degree	3	
EMC Shielding	Shielded	

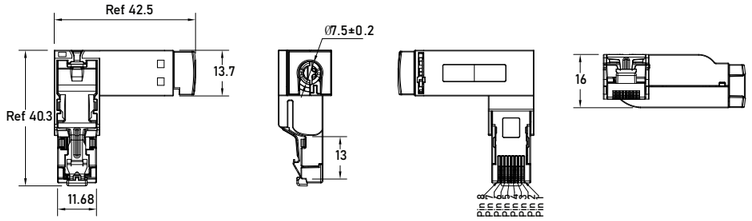
Ordering No.		
Poles	P/N	
RJ45 8P8C	EPIC RJ6A08A1LCAB-180°	

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
	T568A	T568B
Pin 1	WH/GN	WH/OR
Pin 2	GN	OR
Pin 3	WH/OR	WH/GN
Pin 4	BU	BU
Pin 5	WH/BU	WH/BU
Pin 6	OR	GN
Pin 7	WH/BN	WH/BN
Pin 8	BN	BN
Shell	Braid	Braid

Assembly Instruction



CAT 6A FTP 8P8C RJ45 male connector, Free Crimping, 90 degree cable outlet

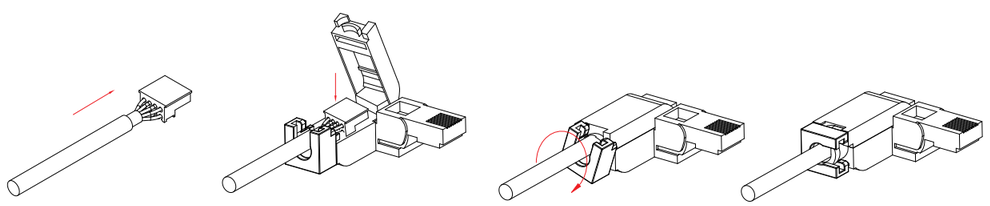


Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Type of cable outlet	90 degree cable outlet
Termination	Insulation Percing Contact
Wire gauge	0.34mm² ~0.14mm (² 22AWG~26AWG)
Wire Insulation Diameter	< 1.5 mm
Rated termperature	-25 ~ 70
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	Zinc die-casting with nickel plated
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 6A
Pollution degree	3
EMC Shielding	Shielded

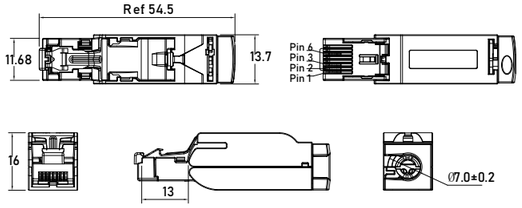
Ordering No.	
Poles	P/N
RJ45 8P8C	EPIC RJ6A08A1LCAB-90°

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
	T568A	T568B
Pin 1	WH/GN	WH/OR
Pin 2	GN	OR
Pin 3	WH/OR	WH/GN
Pin 4	BU	BU
Pin 5	WH/BU	WH/BU
Pin 6	OR	GN
Pin 7	WH/BN	WH/BN
Pin 8	BN	BN
Shell	Braid	Braid

Assembly Instruction



CAT 5E FTP 8P4C RJ45 male connector, Free Crimping, 180 degree cable outlet

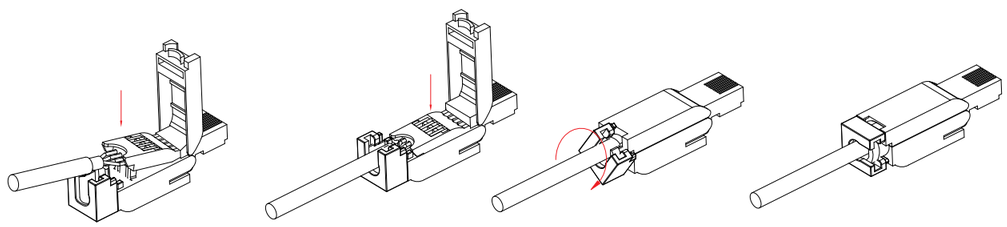


Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Type of cable outlet	180 degree cable outlet
Termination	Insulation Percing Contact
Wire gauge	0.34mm² ~0.14mm (² 22AWG~26AWG)
Wire Insulation Diameter	< 1.5 mm
Rated termperature	-25 ~ 70
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	Zinc die-casting with nickel plated
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 5E
Pollution degree	3
EMC Shielding	Shielded

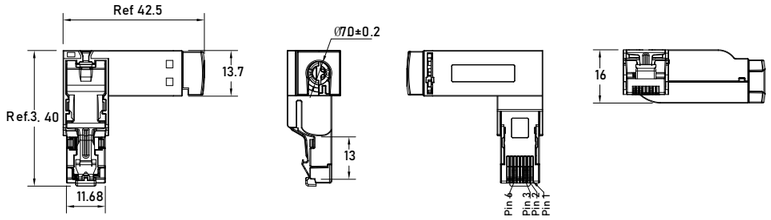
Ordering No.	
Poles	P/N
RJ45 8P4C	EPIC RJ5E04A1LCAB-180°

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
Pin 1	YE	WH/OR
Pin 2	WH	OR
Pin 3	OR	WH/GN
Pin 6	BU	GN
Shell	Braid	Braid

Assembly Instruction



CAT 5E FTP 8P4C RJ45 male connector, Free Crimping, 90 degree cable outlet

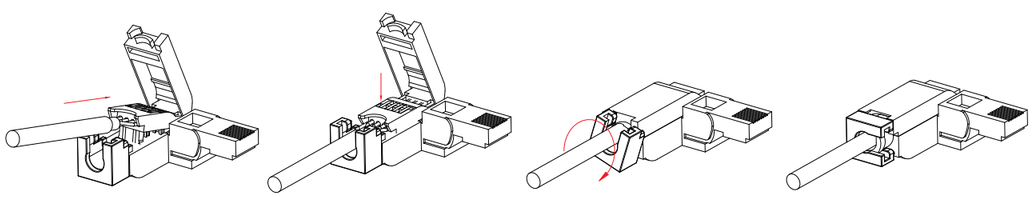


Connector Technical data		
Contacts No.	RJ45 male	
Front View		
Reference standard	IEC 60603-7-7	
Rated current	1.5A	
Rated voltage	125V	
Impulse voltage	1000V	
Type of cable outlet	90 degree cable outlet	
Termination	Insulation Percing Contact	
Wire gauge	0.34mm² ~0.14mm (² 22AWG~26AWG)	
Wire Insulation Diameter	< 1.5 mm	
Rated termperature	-25 ~ 70	
Insulation resistance	> 100MΩ	
Contact resistance	< 20mΩ	
Contacts carrier	PC	
Shell	Zinc die-casting with nickel plated	
Contacts	Brass Gold-plated	
Contacts plating	Au (Gold)	
Transmission characteristics	CAT 5E	
Pollution degree	3	
EMC Shielding	Shielded	

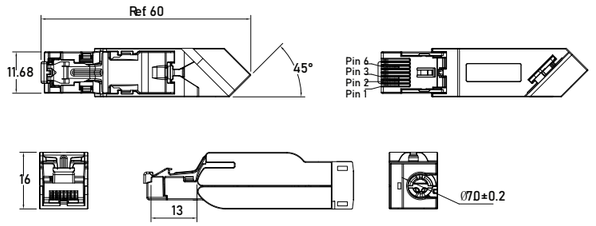
Ordering No.	
Poles	P/N
RJ45 8P4C	EPIC RJ5E04A1LCAB-90°

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
Pin 1	YE	WH/OR
Pin 2	WH	OR
Pin 3	OR	WH/GN
Pin 6	BU	GN
Shell	Braid	Braid

Assembly Instruction



CAT 5E FTP 8P4C RJ45 male connector, Free Crimping, 45 degree cable outlet

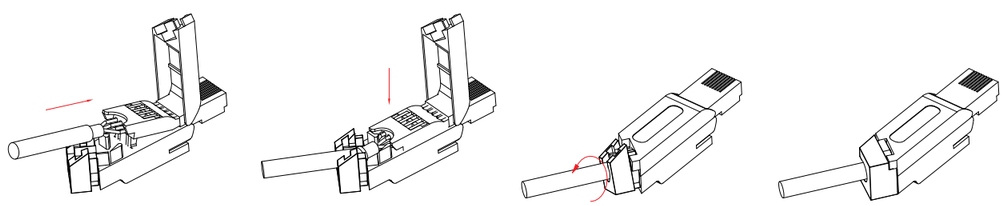


Connector Technical data		
Contacts No.	RJ45 male	
Front View		
Reference standard	IEC 60603-7-7	
Rated current	1.5A	
Rated voltage	125V	
Impulse voltage	1000V	
Type of cable outlet	45 degree cable outlet	
Termination	Insulation Percing Contact	
Wire gauge	0.34mm² ~0.14mm (² 22AWG~26AWG)	
Wire Insulation Diameter	< 1.5 mm	
Rated termperature	-25 ~ 70	
Insulation resistance	> 100MΩ	
Contact resistance	< 20mΩ	
Contacts carrier	PC	
Shell	Zinc die-casting with nickel plated	
Contacts	Brass Gold-plated	
Contacts plating	Au (Gold)	
Transmission characteristics	CAT 5E	
Pollution degree	3	
EMC Shielding	Shielded	

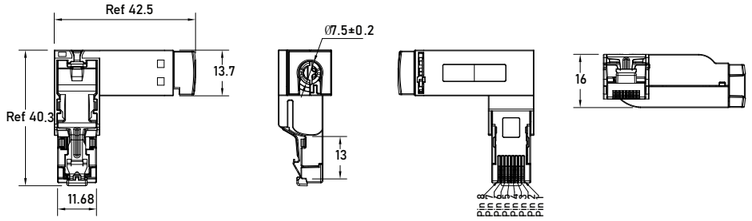
Ordering No.	
Poles	P/N
RJ45 8P8C	EPIC RJ5E04A1LCAB-45°

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
Pin 1	YE	WH/OR
Pin 2	WH	OR
Pin 3	OR	WH/GN
Pin 6	BU	GN
Shell	Braid	Braid

Assembly Instruction



CAT 5E FTP 8P4C RJ45 male connector, Free Crimping, 90 degree cable outlet

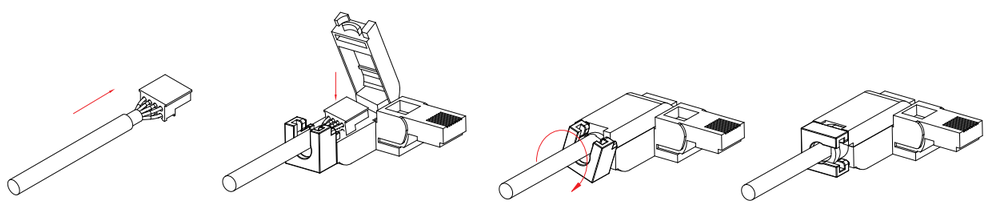


Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Type of cable outlet	90 degree cable outlet
Termination	Insulation Percing Contact
Wire gauge	0.34mm² ~0.14mm (² 22AWG~26AWG)
Wire Insulation Diameter	< 1.5 mm
Rated termperature	-25 ~ 70
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	Zinc die-casting with nickel plated
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 5E
Pollution degree	3
EMC Shielding	Shielded

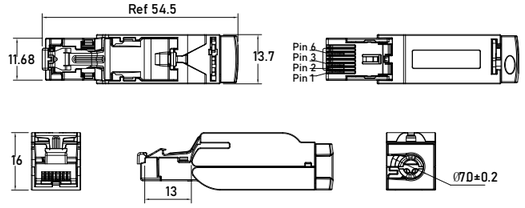
Ordering No.	
Poles	P/N
RJ45 8P4C	EPIC RJ5E04A1LCAB-90°

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
Pin 1	YE	WH/OR
Pin 2	WH	OR
Pin 3	OR	WH/GN
Pin 6	BU	GN
Shell	Braid	Braid

Assembly Instruction



CAT 5E FTP 8P4C RJ45 male connector, Free Crimping, 45 degree cable outlet

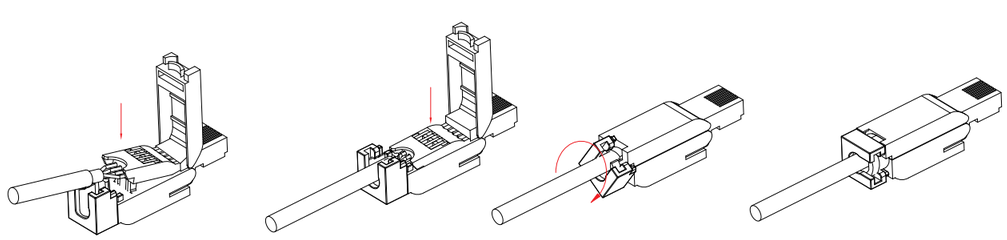


Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Type of cable outlet	45 degree cable outlet
Termination	Insulation Percing Contact
Wire gauge	0.34mm² ~0.14mm (² 22AWG~26AWG)
Wire Insulation Diameter	< 1.5 mm
Rated termperature	-25 ~ 70
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	Zinc die-casting with nickel plated
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 5E
Pollution degree	3
EMC Shielding	Shielded

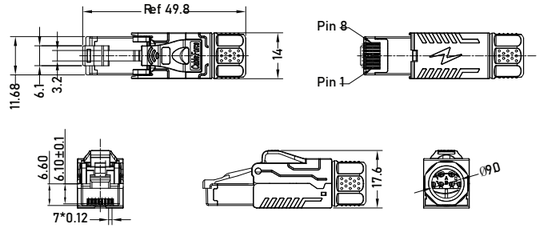
Ordering No.	
Poles	P/N
RJ45 8P8C	EPIC RJ5E04A1LCAB-45°

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
Pin 1	YE	WH/OR
Pin 2	WH	OR
Pin 3	OR	WH/GN
Pin 6	BU	GN
Shell	Braid	Braid

Assembly Instruction



CAT 6A FTP 8P8C RJ45 male connector, Free Crimping

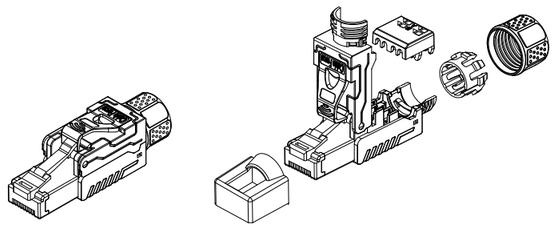


Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Termination	Insulation Percing Contact
Wire gauge	0.34mm² ~0.14mm (² 22AWG~26AWG)
Wire Insulation Diameter	< 1.5 mm
Rated termperature	-25 ~ 70
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	Zinc die-casting with nickel plated
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 6A
Pollution degree	3
EMC Shielding	Shielded

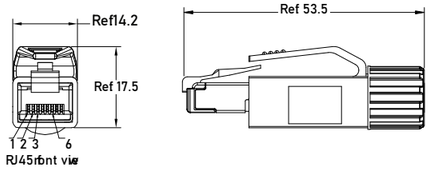
Ordering No.	
Poles	P/N
RJ45 8P8C	EPIC RJ6A-8P8C-A1

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin	T568A	T568B
Pin 1	WH/GN	WH/OR
Pin 2	GN	OR
Pin 3	WH/OR	WH/GN
Pin 4	BU	BU
Pin 5	WH/BU	WH/BU
Pin 6	OR	GN
Pin 7	WH/BN	WH/BN
Pin 8	BN	BN
Shell	Braid	Braid

Assembly Instruction



CAT 5E 8P4C RJ45 male connector, Free Crimping

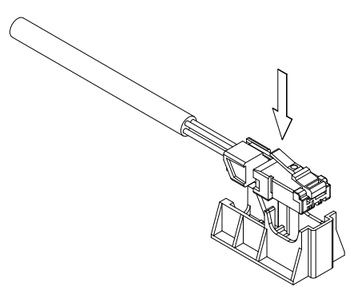


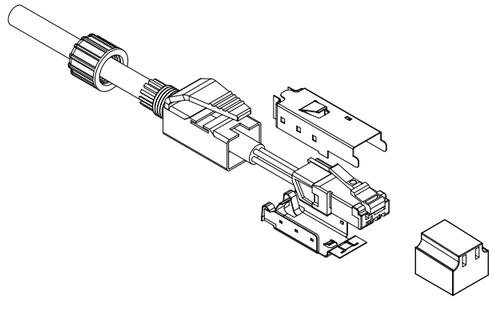
Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Termination	Insulation Percing Contact
Wire gauge	0.34mm² ~0.14mm (² 22AWG~26AWG)
Wire Insulation Diameter	< 1.5 mm
Rated termperature	-25 ~ 70
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	PA6, black
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 5E
Pollution degree	3
EMC Shielding	Shielded

Ordering No.		
Poles	P/N	
RJ45 8P4C	EPIC RJ5E-8P4C-A1	

Cable's Color Coding & Wiring		
Poles & Wire Color / Pin		
Pin 1	YE	WH/OR
Pin 2	WH	OR
Pin 3	OR	WH/GN
Pin 6	BU	GN
Shell	Braid	Braid

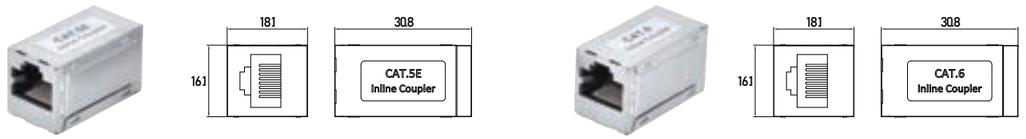
Assembly Instruction





LAPP

RJ45 8P8C female Inline coupler



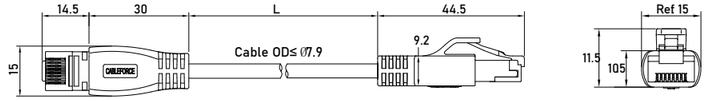
Connector Technical data				
Contacts No.	RJ45 female			
Front View				
Reference standard	IEC 60603-7-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen			
Termination	Insulation Percing Contact			
Wire gauge	0.14~0.25mm (AWG 26~24)			
Rated termperature	–40 °C ... +70 °C			
Insulation resistance	> 100MΩ			
Contact resistance	< 20mΩ			
Contacts carrier	PC			
Shell	Brass			
Shell plating	Nickel plated			
Contacts	Brass			
Contacts plating	Au (Gold)			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ≥ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors			
EMC Shielding	Shielded			

Ordering No.				
Poles	CAT 5E		CAT 6	
8P8C	EPIC RJ5EP2LI	7433507215	EPIC RJ6P2LI	7433507216

Assembly Instruction

LAPP

Ethernet patch cables, double ended RJ45 8P8C male plug

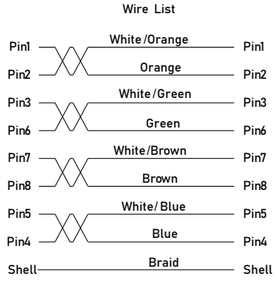


Connector Technical data				
Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference Standard	IEC 60603-7-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen			
Termination	Insulation Percing Contact			
Cable specification	0.14~0.25mm² (AWG 26~24)			
Rated temperature	–40 °C ... +70 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤20mΩ			
Connector overmolding	PVC/ TPU			
Contact carrier	PC			
Contact	Brass Gold-plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ⩾ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors			

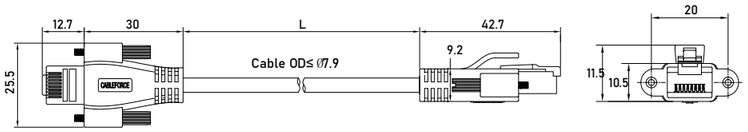
Ordering No.								
Cable length	PVC Cable (Green)				PUR Halogen Free Cable (Green)			
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5EC5LI26CG03 7433504428	EPIC RJ5EC5LI24CG03 7433504439	EPIC RJ6AC5LI26CG03 7433504450	EPIC RJ7C5LI24CG03 7433504461	EPIC RJ5EC5LI26RG03 7433504472	EPIC RJ5EC5LI24RG03 7433504483	EPIC RJ6AC5LI26RG03 7433504494	EPIC RJ7C5LI24RG03 7433504505
0.5 m	EPIC RJ5EC5LI26CG05 7433504429	EPIC RJ5EC5LI24CG05 7433504440	EPIC RJ6AC5LI26CG05 7433504451	EPIC RJ7C5LI24CG05 7433504462	EPIC RJ5EC5LI26RG05 7433504473	EPIC RJ5EC5LI24RG05 7433504484	EPIC RJ6AC5LI26RG05 7433504495	EPIC RJ7C5LI24RG05 7433504506
1.0 m	EPIC RJ5EC5LI26CG10 7433504430	EPIC RJ5EC5LI24CG10 7433504441	EPIC RJ6AC5LI26CG10 7433504452	EPIC RJ7C5LI24CG10 7433504463	EPIC RJ5EC5LI26RG10 7433504474	EPIC RJ5EC5LI24RG10 7433504485	EPIC RJ6AC5LI26RG10 7433504496	EPIC RJ7C5LI24RG10 7433504507
1.5 m	EPIC RJ5EC5LI26CG15 7433504431	EPIC RJ5EC5LI24CG15 7433504442	EPIC RJ6AC5LI26CG15 7433504453	EPIC RJ7C5LI24CG15 7433504464	EPIC RJ5EC5LI26RG15 7433504475	EPIC RJ5EC5LI24RG15 7433504486	EPIC RJ6AC5LI26RG15 7433504497	EPIC RJ7C5LI24RG15 7433504508
2.0 m	EPIC RJ5EC5LI26CG20 7433504432	EPIC RJ5EC5LI24CG20 7433504443	EPIC RJ6AC5LI26CG20 7433504454	EPIC RJ7C5LI24CG20 7433504465	EPIC RJ5EC5LI26RG20 7433504476	EPIC RJ5EC5LI24RG20 7433504487	EPIC RJ6AC5LI26RG20 7433504498	EPIC RJ7C5LI24RG20 7433504509
2.5 m	EPIC RJ5EC5LI26CG25 7433504433	EPIC RJ5EC5LI24CG25 7433504444	EPIC RJ6AC5LI26CG25 7433504455	EPIC RJ7C5LI24CG25 7433504466	EPIC RJ5EC5LI26RG25 7433504477	EPIC RJ5EC5LI24RG25 7433504488	EPIC RJ6AC5LI26RG25 7433504499	EPIC RJ7C5LI24RG25 7433504510
3.0 m	EPIC RJ5EC5LI26CG30 7433504434	EPIC RJ5EC5LI24CG30 7433504445	EPIC RJ6AC5LI26CG30 7433504456	EPIC RJ7C5LI24CG30 7433504467	EPIC RJ5EC5LI26RG30 7433504478	EPIC RJ5EC5LI24RG30 7433504489	EPIC RJ6AC5LI26RG30 7433504500	EPIC RJ7C5LI24RG30 7433504511
3.5 m	EPIC RJ5EC5LI26CG35 7433504435	EPIC RJ5EC5LI24CG35 7433504446	EPIC RJ6AC5LI26CG35 7433504457	EPIC RJ7C5LI24CG35 7433504468	EPIC RJ5EC5LI26RG35 7433504479	EPIC RJ5EC5LI24RG35 7433504490	EPIC RJ6AC5LI26RG35 7433504501	EPIC RJ7C5LI24RG35 7433504512
4.0 m	EPIC RJ5EC5LI26CG40 7433504436	EPIC RJ5EC5LI24CG40 7433504447	EPIC RJ6AC5LI26CG40 7433504458	EPIC RJ7C5LI24CG40 7433504469	EPIC RJ5EC5LI26RG40 7433504480	EPIC RJ5EC5LI24RG40 7433504491	EPIC RJ6AC5LI26RG40 7433504502	EPIC RJ7C5LI24RG40 7433504513
4.5 m	EPIC RJ5EC5LI26CG45 7433504437	EPIC RJ5EC5LI24CG45 7433504448	EPIC RJ6AC5LI26CG45 7433504459	EPIC RJ7C5LI24CG45 7433504470	EPIC RJ5EC5LI26RG45 7433504481	EPIC RJ5EC5LI24RG45 7433504492	EPIC RJ6AC5LI26RG45 7433504503	EPIC RJ7C5LI24RG45 7433504514
5.0 m	EPIC RJ5EC5LI26CG50 7433504438	EPIC RJ5EC5LI24CG50 7433504449	EPIC RJ6AC5LI26CG50 7433504460	EPIC RJ7C5LI24CG50 7433504471	EPIC RJ5EC5LI26RG50 7433504482	EPIC RJ5EC5LI24RG50 7433504493	EPIC RJ6AC5LI26RG50 7433504504	EPIC RJ7C5LI24RG50 7433504515

Wiring Diagram

Wire List



Ethernet patch cables, double ended RJ45 8P8C male plug. with locking screws



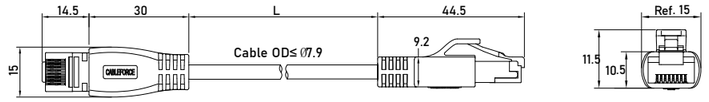
Connector Technical data				
Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference Standard	IEC 60603-7-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen			
Locking system	M2x0.4 screw			
Termination	Insulation Percing Contact			
Cable specification	0.14~0.25mm² (AWG 26~24)			
Rated temperature	–40 °C ... +70 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤20mΩ			
Connector overmolding	PVC/ TPU			
Contact carrier	PC			
Contact	Brass Gold-plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ⩾ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors			

Ordering No.								
Cable length	PVC Cable (Green)				PUR Halogen Free Cable (Green)			
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5EC5LIB26CG03	EPIC RJ5EC5LIB24CG03	EPIC RJ6AC5LIB26CG03	EPIC RJ7C5LIB24CG03	EPIC RJ5EC5LIB26RG03	EPIC RJ5EC5LIB24RG03	EPIC RJ6AC5LIB26RG03	EPIC RJ7C5LIB24RG03
	7433504516	7433504527	7433504538	7433504549	7433504560	7433504571	7433504582	7433504593
0.5 m	EPIC RJ5EC5LIB26CG05	EPIC RJ5EC5LIB24CG05	EPIC RJ6AC5LIB26CG05	EPIC RJ7C5LIB24CG05	EPIC RJ5EC5LIB26RG05	EPIC RJ5EC5LIB24RG05	EPIC RJ6AC5LIB26RG05	EPIC RJ7C5LIB24RG05
	7433504517	7433504528	7433504539	7433504550	7433504561	7433504572	7433504583	7433504594
1.0 m	EPIC RJ5EC5LIB26CG10	EPIC RJ5EC5LIB24CG10	EPIC RJ6AC5LIB26CG10	EPIC RJ7C5LIB24CG10	EPIC RJ5EC5LIB26RG10	EPIC RJ5EC5LIB24RG10	EPIC RJ6AC5LIB26RG10	EPIC RJ7C5LIB24RG10
	7433504518	7433504529	7433504540	7433504551	7433504562	7433504573	7433504584	7433504595
1.5 m	EPIC RJ5EC5LIB26CG15	EPIC RJ5EC5LIB24CG15	EPIC RJ6AC5LIB26CG15	EPIC RJ7C5LIB24CG15	EPIC RJ5EC5LIB26RG15	EPIC RJ5EC5LIB24RG15	EPIC RJ6AC5LIB26RG15	EPIC RJ7C5LIB24RG15
	7433504519	7433504530	7433504541	7433504552	7433504563	7433504574	7433504585	7433504596
2.0 m	EPIC RJ5EC5LIB26CG20	EPIC RJ5EC5LIB24CG20	EPIC RJ6AC5LIB26CG20	EPIC RJ7C5LIB24CG20	EPIC RJ5EC5LIB26RG20	EPIC RJ5EC5LIB24RG20	EPIC RJ6AC5LIB26RG20	EPIC RJ7C5LIB24RG20
	7433504520	7433504531	7433504542	7433504553	7433504564	7433504575	7433504586	7433504597
2.5 m	EPIC RJ5EC5LIB26CG25	EPIC RJ5EC5LIB24CG25	EPIC RJ6AC5LIB26CG25	EPIC RJ7C5LIB24CG25	EPIC RJ5EC5LIB26RG25	EPIC RJ5EC5LIB24RG25	EPIC RJ6AC5LIB26RG25	EPIC RJ7C5LIB24RG25
	7433504521	7433504532	7433504543	7433504554	7433504565	7433504576	7433504587	7433504598
3.0 m	EPIC RJ5EC5LIB26CG30	EPIC RJ5EC5LIB24CG30	EPIC RJ6AC5LIB26CG30	EPIC RJ7C5LIB24CG30	EPIC RJ5EC5LIB26RG30	EPIC RJ5EC5LIB24RG30	EPIC RJ6AC5LIB26RG30	EPIC RJ7C5LIB24RG30
	7433504522	7433504533	7433504544	7433504555	7433504566	7433504577	7433504588	7433504599
3.5 m	EPIC RJ5EC5LIB26CG35	EPIC RJ5EC5LIB24CG35	EPIC RJ6AC5LIB26CG35	EPIC RJ7C5LIB24CG35	EPIC RJ5EC5LIB26RG35	EPIC RJ5EC5LIB24RG35	EPIC RJ6AC5LIB26RG35	EPIC RJ7C5LIB24RG35
	7433504523	7433504534	7433504545	7433504556	7433504567	7433504578	7433504589	7433504600
4.0 m	EPIC RJ5EC5LIB26CG40	EPIC RJ5EC5LIB24CG40	EPIC RJ6AC5LIB26CG40	EPIC RJ7C5LIB24CG40	EPIC RJ5EC5LIB26RG40	EPIC RJ5EC5LIB24RG40	EPIC RJ6AC5LIB26RG40	EPIC RJ7C5LIB24RG40
	7433504524	7433504535	7433504546	7433504557	7433504568	7433504579	7433504590	7433504601
4.5 m	EPIC RJ5EC5LIB26CG45	EPIC RJ5EC5LIB24CG45	EPIC RJ6AC5LIB26CG45	EPIC RJ7C5LIB24CG45	EPIC RJ5EC5LIB26RG45	EPIC RJ5EC5LIB24RG45	EPIC RJ6AC5LIB26RG45	EPIC RJ7C5LIB24RG45
	7433504525	7433504536	7433504547	7433504558	7433504569	7433504580	7433504591	7433504602
5.0 m	EPIC RJ5EC5LIB26CG50	EPIC RJ5EC5LIB24CG50	EPIC RJ6AC5LIB26CG50	EPIC RJ7C5LIB24CG50	EPIC RJ5EC5LIB26RG50	EPIC RJ5EC5LIB24RG50	EPIC RJ6AC5LIB26RG50	EPIC RJ7C5LIB24RG50
	7433504526	7433504537	7433504548	7433504559	7433504570	7433504581	7433504592	7433504603

Wiring Diagram

Wire List

Ethernet patch cables, double ended RJ45 8P8C male plug

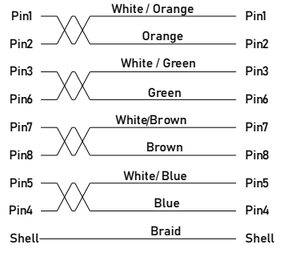


Connector Technical data				
Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference Standard	IEC 60603-7-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen			
Termination	Insulation Percing Contact			
Cable specification	0.14~0.25mm² (AWG 26~24)			
Rated temperature	–40 °C ... +70 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤20mΩ			
Connector overmolding	PVC/ TPU			
Contact carrier	PC			
Contact	Brass Gold-plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ⩾ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors			

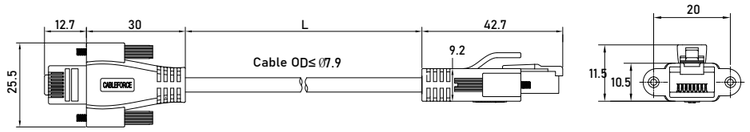
Ordering No.								
Cable length	PVC Cable (Blue)				PUR Halogen Free Cable (Blue)			
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5EC5LI26CLB03	EPIC RJ5EC5LI24CLB03	EPIC RJ6AC5LI26CLB03	EPIC RJ7C5LI24CLB03	EPIC RJ5EC5LI26RLB03	EPIC RJ5EC5LI24RLB03	EPIC RJ6AC5LI26RLB03	EPIC RJ7C5LI24RLB03
	7433504604	7433504615	7433504626	7433504637	7433504648	7433504659	7433504670	7433504681
0.5 m	EPIC RJ5EC5LI26CLB05	EPIC RJ5EC5LI24CLB05	EPIC RJ6AC5LI26CLB05	EPIC RJ7C5LI24CLB05	EPIC RJ5EC5LI26RLB05	EPIC RJ5EC5LI24RLB05	EPIC RJ6AC5LI26RLB05	EPIC RJ7C5LI24RLB05
	7433504605	7433504616	7433504627	7433504638	7433504649	7433504660	7433504671	7433504682
1.0 m	EPIC RJ5EC5LI26CLB10	EPIC RJ5EC5LI24CLB10	EPIC RJ6AC5LI26CLB10	EPIC RJ7C5LI24CLB10	EPIC RJ5EC5LI26RLB10	EPIC RJ5EC5LI24RLB10	EPIC RJ6AC5LI26RLB10	EPIC RJ7C5LI24RLB10
	7433504606	7433504617	7433504628	7433504639	7433504650	7433504661	7433504672	7433504683
1.5 m	EPIC RJ5EC5LI26CLB15	EPIC RJ5EC5LI24CLB15	EPIC RJ6AC5LI26CLB15	EPIC RJ7C5LI24CLB15	EPIC RJ5EC5LI26RLB15	EPIC RJ5EC5LI24RLB15	EPIC RJ6AC5LI26RLB15	EPIC RJ7C5LI24RLB15
	7433504607	7433504618	7433504629	7433504640	7433504651	7433504662	7433504673	7433504684
2.0 m	EPIC RJ5EC5LI26CLB20	EPIC RJ5EC5LI24CLB20	EPIC RJ6AC5LI26CLB20	EPIC RJ7C5LI24CLB20	EPIC RJ5EC5LI26RLB20	EPIC RJ5EC5LI24RLB20	EPIC RJ6AC5LI26RLB20	EPIC RJ7C5LI24RLB20
	7433504608	7433504619	7433504630	7433504641	7433504652	7433504663	7433504674	7433504685
2.5 m	EPIC RJ5EC5LI26CLB25	EPIC RJ5EC5LI24CLB25	EPIC RJ6AC5LI26CLB25	EPIC RJ7C5LI24CLB25	EPIC RJ5EC5LI26RLB25	EPIC RJ5EC5LI24RLB25	EPIC RJ6AC5LI26RLB25	EPIC RJ7C5LI24RLB25
	7433504609	7433504620	7433504631	7433504642	7433504653	7433504664	7433504675	7433504686
3.0 m	EPIC RJ5EC5LI26CLB30	EPIC RJ5EC5LI24CLB30	EPIC RJ6AC5LI26CLB30	EPIC RJ7C5LI24CLB30	EPIC RJ5EC5LI26RLB30	EPIC RJ5EC5LI24RLB30	EPIC RJ6AC5LI26RLB30	EPIC RJ7C5LI24RLB30
	7433504610	7433504621	7433504632	7433504643	7433504654	7433504665	7433504676	7433504687
3.5 m	EPIC RJ5EC5LI26CLB35	EPIC RJ5EC5LI24CLB35	EPIC RJ6AC5LI26CLB35	EPIC RJ7C5LI24CLB35	EPIC RJ5EC5LI26RLB35	EPIC RJ5EC5LI24RLB35	EPIC RJ6AC5LI26RLB35	EPIC RJ7C5LI24RLB35
	7433504611	7433504622	7433504633	7433504644	7433504655	7433504666	7433504677	7433504688
4.0 m	EPIC RJ5EC5LI26CLB40	EPIC RJ5EC5LI24CLB40	EPIC RJ6AC5LI26CLB40	EPIC RJ7C5LI24CLB40	EPIC RJ5EC5LI26RLB40	EPIC RJ5EC5LI24RLB40	EPIC RJ6AC5LI26RLB40	EPIC RJ7C5LI24RLB40
	7433504612	7433504623	7433504634	7433504645	7433504656	7433504667	7433504678	7433504689
4.5 m	EPIC RJ5EC5LI26CLB45	EPIC RJ5EC5LI24CLB45	EPIC RJ6AC5LI26CLB45	EPIC RJ7C5LI24CLB45	EPIC RJ5EC5LI26RLB45	EPIC RJ5EC5LI24RLB45	EPIC RJ6AC5LI26RLB45	EPIC RJ7C5LI24RLB45
	7433504613	7433504624	7433504635	7433504646	7433504657	7433504668	7433504679	7433504690
5.0 m	EPIC RJ5EC5LI26CLB50	EPIC RJ5EC5LI24CLB50	EPIC RJ6AC5LI26CLB50	EPIC RJ7C5LI24CLB50	EPIC RJ5EC5LI26RLB50	EPIC RJ5EC5LI24RLB50	EPIC RJ6AC5LI26RLB50	EPIC RJ7C5LI24RLB50
	7433504614	7433504625	7433504636	7433504647	7433504658	7433504669	7433504680	7433504691

Wiring Diagram

Wire List



Ethernet patch cables, double ended RJ45 8P8C male plug. with locking screws

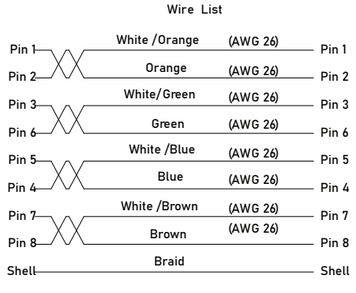


Connector Technical data				
Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference Standard	IEC 60603-7-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen			
Locking system	M2x0.4 screw			
Termination	Insulation Percing Contact			
Cable specification	0.14~0.25mm² (AWG 26~24)			
Rated temperature	–40 °C ... +70 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤20mΩ			
Connector overmolding	PVC/ TPU			
Contact carrier	PC			
Contact	Brass Gold-plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ⩾ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors			

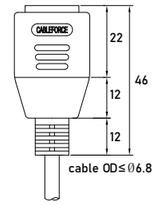
Ordering No.

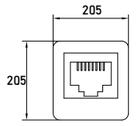
Cable length	PVC Cable (Blue)				PUR Halogen Free Cable (Blue)			
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5EC5LIB26CLB03	EPIC RJ5EC5LIB24CLB03	EPIC RJ6AC5LIB26CLB03	EPIC RJ7C5LIB24CLB03	EPIC RJ5EC5LIB26RLB03	EPIC RJ5EC5LIB24RLB03	EPIC RJ6AC5LIB26RLB03	EPIC RJ7C5LIB24RLB03
	7433504692	7433504703	7433504714	7433504725	7433504736	7433504747	7433504758	7433504769
0.5 m	EPIC RJ5EC5LIB26CLB05	EPIC RJ5EC5LIB24CLB05	EPIC RJ6AC5LIB26CLB05	EPIC RJ7C5LIB24CLB05	EPIC RJ5EC5LIB26RLB05	EPIC RJ5EC5LIB24RLB05	EPIC RJ6AC5LIB26RLB05	EPIC RJ7C5LIB24RLB05
	7433504693	7433504704	7433504715	7433504726	7433504737	7433504748	7433504759	7433504770
1.0 m	EPIC RJ5EC5LIB26CLB10	EPIC RJ5EC5LIB24CLB10	EPIC RJ6AC5LIB26CLB10	EPIC RJ7C5LIB24CLB10	EPIC RJ5EC5LIB26RLB10	EPIC RJ5EC5LIB24RLB10	EPIC RJ6AC5LIB26RLB10	EPIC RJ7C5LIB24RLB10
	7433504694	7433504705	7433504716	7433504727	7433504738	7433504749	7433504760	7433504771
1.5 m	EPIC RJ5EC5LIB26CLB15	EPIC RJ5EC5LIB24CLB15	EPIC RJ6AC5LIB26CLB15	EPIC RJ7C5LIB24CLB15	EPIC RJ5EC5LIB26RLB15	EPIC RJ5EC5LIB24RLB15	EPIC RJ6AC5LIB26RLB15	EPIC RJ7C5LIB24RLB15
	7433504695	7433504706	7433504717	7433504728	7433504739	7433504750	7433504761	7433504772
2.0 m	EPIC RJ5EC5LIB26CLB20	EPIC RJ5EC5LIB24CLB20	EPIC RJ6AC5LIB26CLB20	EPIC RJ7C5LIB24CLB20	EPIC RJ5EC5LIB26RLB20	EPIC RJ5EC5LIB24RLB20	EPIC RJ6AC5LIB26RLB20	EPIC RJ7C5LIB24RLB20
	7433504696	7433504707	7433504718	7433504729	7433504740	7433504751	7433504762	7433504773
2.5 m	EPIC RJ5EC5LIB26CLB25	EPIC RJ5EC5LIB24CLB25	EPIC RJ6AC5LIB26CLB25	EPIC RJ7C5LIB24CLB25	EPIC RJ5EC5LIB26RLB25	EPIC RJ5EC5LIB24RLB25	EPIC RJ6AC5LIB26RLB25	EPIC RJ7C5LIB24RLB25
	7433504697	7433504708	7433504719	7433504730	7433504741	7433504752	7433504763	7433504774
3.0 m	EPIC RJ5EC5LIB26CLB30	EPIC RJ5EC5LIB24CLB30	EPIC RJ6AC5LIB26CLB30	EPIC RJ7C5LIB24CLB30	EPIC RJ5EC5LIB26RLB30	EPIC RJ5EC5LIB24RLB30	EPIC RJ6AC5LIB26RLB30	EPIC RJ7C5LIB24RLB30
	7433504698	7433504709	7433504720	7433504731	7433504742	7433504753	7433504764	7433504775
3.5 m	EPIC RJ5EC5LIB26CLB35	EPIC RJ5EC5LIB24CLB35	EPIC RJ6AC5LIB26CLB35	EPIC RJ7C5LIB24CLB35	EPIC RJ5EC5LIB26RLB35	EPIC RJ5EC5LIB24RLB35	EPIC RJ6AC5LIB26RLB35	EPIC RJ7C5LIB24RLB35
	7433504699	7433504710	7433504721	7433504732	7433504743	7433504754	7433504765	7433504776
4.0 m	EPIC RJ5EC5LIB26CLB40	EPIC RJ5EC5LIB24CLB40	EPIC RJ6AC5LIB26CLB40	EPIC RJ7C5LIB24CLB40	EPIC RJ5EC5LIB26RLB40	EPIC RJ5EC5LIB24RLB40	EPIC RJ6AC5LIB26RLB40	EPIC RJ7C5LIB24RLB40
	7433504700	7433504711	7433504722	7433504733	7433504744	7433504755	7433504766	7433504777
4.5 m	EPIC RJ5EC5LIB26CLB45	EPIC RJ5EC5LIB24CLB45	EPIC RJ6AC5LIB26CLB45	EPIC RJ7C5LIB24CLB45	EPIC RJ5EC5LIB26RLB45	EPIC RJ5EC5LIB24RLB45	EPIC RJ6AC5LIB26RLB45	EPIC RJ7C5LIB24RLB45
	7433504701	7433504712	7433504723	7433504734	7433504745	7433504756	7433504767	7433504778
5.0 m	EPIC RJ5EC5LIB26CLB50	EPIC RJ5EC5LIB24CLB50	EPIC RJ6AC5LIB26CLB50	EPIC RJ7C5LIB24CLB50	EPIC RJ5EC5LIB26RLB50	EPIC RJ5EC5LIB24RLB50	EPIC RJ6AC5LIB26RLB50	EPIC RJ7C5LIB24RLB50
	7433504702	7433504713	7433504724	7433504735	7433504746	7433504757	7433504768	7433504779

Wiring Diagram



RJ45 female socket molded cable





Connector Technical data			
Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A
Front View			
Reference Standard	IEC 60603-7-7		
Rated current	1.5A		
Rated voltage	30V		
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen		
Termination	Insulation Percing Contact		
Wire gauge	0.14~0.25mm² (AWG 26~24)		
Rated temperature	–40 °C ... +70 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤20mΩ		
Connector overmolding	PVC/ TPU		
Contact carrier	PC		
Contact	Phosphor Bronze, Gold plated		
Characteristic impedance	100 Ω ±25		
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ⩾ 75 dB from (100 to 1 000) MHz, mated connectors		
Propagation delay	≤2.5 ns		
Insertion loss	≤0.1 dB, mated connectors		
Return loss	68 dB up to 1000 MHz, mated connectors		
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors		
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors		

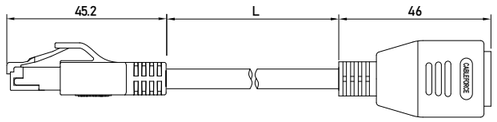
Ordering No.

Cable length	PVC Cable (Green)			PUR Halogen Free Cable (Green)		
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26
0.3 m	EPIC RJ5EC2LI26CG03	EPIC RJ5EC2LI24CG03	EPIC RJ6AC2LI26CG03	EPIC RJ5EC2LI26RG03	EPIC RJ5EC2LI24RG03	EPIC RJ6AC2LI26RG03
	7433504780	7433504791	7433504802	7433504813	7433504824	7433504835
0.5 m	EPIC RJ5EC2LI26CG05	EPIC RJ5EC2LI24CG05	EPIC RJ6AC2LI26CG05	EPIC RJ5EC2LI26RG05	EPIC RJ5EC2LI24RG05	EPIC RJ6AC2LI26RG05
	7433504781	7433504792	7433504803	7433504814	7433504825	7433504836
1.0 m	EPIC RJ5EC2LI26CG10	EPIC RJ5EC2LI24CG10	EPIC RJ6AC2LI26CG10	EPIC RJ5EC2LI26RG10	EPIC RJ5EC2LI24RG10	EPIC RJ6AC2LI26RG10
	7433504782	7433504793	7433504804	7433504815	7433504826	7433504837
1.5 m	EPIC RJ5EC2LI26CG15	EPIC RJ5EC2LI24CG15	EPIC RJ6AC2LI26CG15	EPIC RJ5EC2LI26RG15	EPIC RJ5EC2LI24RG15	EPIC RJ6AC2LI26RG15
	7433504783	7433504794	7433504805	7433504816	7433504827	7433504838
2.0 m	EPIC RJ5EC2LI26CG20	EPIC RJ5EC2LI24CG20	EPIC RJ6AC2LI26CG20	EPIC RJ5EC2LI26RG20	EPIC RJ5EC2LI24RG20	EPIC RJ6AC2LI26RG20
	7433504784	7433504795	7433504806	7433504817	7433504828	7433504839
2.5 m	EPIC RJ5EC2LI26CG25	EPIC RJ5EC2LI24CG25	EPIC RJ6AC2LI26CG25	EPIC RJ5EC2LI26RG25	EPIC RJ5EC2LI24RG25	EPIC RJ6AC2LI26RG25
	7433504785	7433504796	7433504807	7433504818	7433504829	7433504840
3.0 m	EPIC RJ5EC2LI26CG30	EPIC RJ5EC2LI24CG30	EPIC RJ6AC2LI26CG30	EPIC RJ5EC2LI26RG30	EPIC RJ5EC2LI24RG30	EPIC RJ6AC2LI26RG30
	7433504786	7433504797	7433504808	7433504819	7433504830	7433504841
3.5 m	EPIC RJ5EC2LI26CG35	EPIC RJ5EC2LI24CG35	EPIC RJ6AC2LI26CG35	EPIC RJ5EC2LI26RG35	EPIC RJ5EC2LI24RG35	EPIC RJ6AC2LI26RG35
	7433504787	7433504798	7433504809	7433504820	7433504831	7433504842
4.0 m	EPIC RJ5EC2LI26CG40	EPIC RJ5EC2LI24CG40	EPIC RJ6AC2LI26CG40	EPIC RJ5EC2LI26RG40	EPIC RJ5EC2LI24RG40	EPIC RJ6AC2LI26RG40
	7433504788	7433504799	7433504810	7433504821	7433504832	7433504843
4.5 m	EPIC RJ5EC2LI26CG45	EPIC RJ5EC2LI24CG45	EPIC RJ6AC2LI26CG45	EPIC RJ5EC2LI26RG45	EPIC RJ5EC2LI24RG45	EPIC RJ6AC2LI26RG45
	7433504789	7433504800	7433504811	7433504822	7433504833	7433504844
5.0 m	EPIC RJ5EC2LI26CG50	EPIC RJ5EC2LI24CG50	EPIC RJ6AC2LI26CG50	EPIC RJ5EC2LI26RG50	EPIC RJ5EC2LI24RG50	EPIC RJ6AC2LI26RG50
	7433504790	7433504801	7433504812	7433504823	7433504834	7433504845

RJ45 Female Socket Cable

LAPP

RJ45 male to female socket molded cable

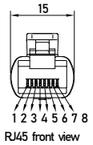


Connector Technical data				
Contacts No.	RJ45 8P8C Male	Cat 5E	Cat 6A	RJ45 8P8C Female
Front View				
Reference Standard	IEC 60603-7-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen			
Termination	Insulation Percing Contact			
Cable specification	0.14~0.25mm² (AWG 26~24)			
Rated temperature	–40 °C ... +70 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤20mΩ			
Connector overmolding	PVC/ TPU			
Contact carrier	PC			
Contact	Brass Gold-plated ; Phosphor Bronze, Gold plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ⩾ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors			

Ordering No.

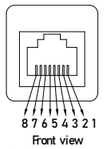
Cable length	PVC Cable (Black)			PUR Halogen Free Cable (Black)		
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26
0.3 m	EPIC RJ5EC3LI26CK03 7433504846	EPIC RJ5EC3LI24CK03 7433504857	EPIC RJ6AC3LI26CK03 7433504868	EPIC RJ5EC3LI26RK03 7433504879	EPIC RJ5EC3LI24RK03 7433504890	EPIC RJ6AC3LI26RK03 7433504901
0.5 m	EPIC RJ5EC3LI26CK05 7433504847	EPIC RJ5EC3LI24CK05 7433504858	EPIC RJ6AC3LI26CK05 7433504869	EPIC RJ5EC3LI26RK05 7433504880	EPIC RJ5EC3LI24RK05 7433504891	EPIC RJ6AC3LI26RK05 7433504902
1.0 m	EPIC RJ5EC3LI26CK10 7433504848	EPIC RJ5EC3LI24CK10 7433504859	EPIC RJ6AC3LI26CK10 7433504870	EPIC RJ5EC3LI26RK10 7433504881	EPIC RJ5EC3LI24RK10 7433504892	EPIC RJ6AC3LI26RK10 7433504903
1.5 m	EPIC RJ5EC3LI26CK15 7433504849	EPIC RJ5EC3LI24CK15 7433504860	EPIC RJ6AC3LI26CK15 7433504871	EPIC RJ5EC3LI26RK15 7433504882	EPIC RJ5EC3LI24RK15 7433504893	EPIC RJ6AC3LI26RK15 7433504904
2.0 m	EPIC RJ5EC3LI26CK20 7433504850	EPIC RJ5EC3LI24CK20 7433504861	EPIC RJ6AC3LI26CK20 7433504872	EPIC RJ5EC3LI26RK20 7433504883	EPIC RJ5EC3LI24RK20 7433504894	EPIC RJ6AC3LI26RK20 7433504905
2.5 m	EPIC RJ5EC3LI26CK25 7433504851	EPIC RJ5EC3LI24CK25 7433504862	EPIC RJ6AC3LI26CK25 7433504873	EPIC RJ5EC3LI26RK25 7433504884	EPIC RJ5EC3LI24RK25 7433504895	EPIC RJ6AC3LI26RK25 7433504906
3.0 m	EPIC RJ5EC3LI26CK30 7433504852	EPIC RJ5EC3LI24CK30 7433504863	EPIC RJ6AC3LI26CK30 7433504874	EPIC RJ5EC3LI26RK30 7433504885	EPIC RJ5EC3LI24RK30 7433504896	EPIC RJ6AC3LI26RK30 7433504907
3.5 m	EPIC RJ5EC3LI26CK35 7433504853	EPIC RJ5EC3LI24CK35 7433504864	EPIC RJ6AC3LI26CK35 7433504875	EPIC RJ5EC3LI26RK35 7433504886	EPIC RJ5EC3LI24RK35 7433504897	EPIC RJ6AC3LI26RK35 7433504908
4.0 m	EPIC RJ5EC3LI26CK40 7433504854	EPIC RJ5EC3LI24CK40 7433504865	EPIC RJ6AC3LI26CK40 7433504876	EPIC RJ5EC3LI26RK40 7433504887	EPIC RJ5EC3LI24RK40 7433504898	EPIC RJ6AC3LI26RK40 7433504909
4.5 m	EPIC RJ5EC3LI26CK45 7433504855	EPIC RJ5EC3LI24CK45 7433504866	EPIC RJ6AC3LI26CK45 7433504877	EPIC RJ5EC3LI26RK45 7433504888	EPIC RJ5EC3LI24RK45 7433504899	EPIC RJ6AC3LI26RK45 7433504910
5.0 m	EPIC RJ5EC3LI26CK50 7433504856	EPIC RJ5EC3LI24CK50 7433504867	EPIC RJ6AC3LI26CK50 7433504878	EPIC RJ5EC3LI26RK50 7433504889	EPIC RJ5EC3LI24RK50 7433504900	EPIC RJ6AC3LI26RK50 7433504911

Wiring Diagram



Wire list

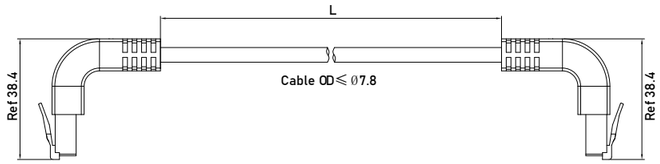
Male			Female
Pin 1	White / Orange	(AWG 26)	Pin 1
Pin 2	Orange	(AWG 26)	Pin 2
Pin 3	White/Green	(AWG 26)	Pin 3
Pin 6	Gree	(AWG 26)	Pin 6
Pin 7	White /Brown	(AWG 26)	Pin 7
Pin 8	Brown	(AWG 26)	Pin 8
Pin 5	White / Blue	(AWG 26)	Pin 5
Pin 4	Blue	(AWG 26)	Pin 4
Shell	Braid		Shell



RJ45 Patch Cables

LAPP

Ethernet patch cables, double ended RJ45 8P8C male plug, Right angled



Connector Technical data				
Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference standard	IEC60603-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact to Contact, 1500v Contact to Screen			
Termination	Insulation Percing Contact			
Rated termperature	-25 ~ 70			
Insulation resistance	> 100MΩ			
Contact resistance	< 20mΩ			
Over-molding	PVC/ TPU			
Contacts carrier	PC			
Contacts	Brass Gold-plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ≥ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors			

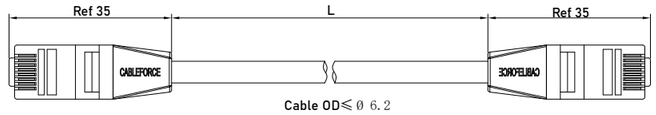
Ordering No.

Cable length	PVC Cable (Blue)				PUR Halogen Free Cable (Blue)			
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5ECSRI26CLB03-TOP 7433504912	EPIC RJ5ECSRI24CLB03-TOP 7433504923	EPIC RJ6ACSRI26CLB03-TOP 7433504934	EPIC RJ7CSRI24CLB03-TOP 7433504945	EPIC RJ5ECSRI26RLB03-TOP 7433504956	EPIC RJ5ECSRI24RLB03-TOP 7433504967	EPIC RJ6ACSRI26RLB03-TOP 7433504978	EPIC RJ7CSRI24RLB03-TOP 7433504989
0.5 m	EPIC RJ5ECSRI26CLB05-TOP 7433504913	EPIC RJ5ECSRI24CLB05-TOP 7433504924	EPIC RJ6ACSRI26CLB05-TOP 7433504935	EPIC RJ7CSRI24CLB05-TOP 7433504946	EPIC RJ5ECSRI26RLB05-TOP 7433504957	EPIC RJ5ECSRI24RLB05-TOP 7433504968	EPIC RJ6ACSRI26RLB05-TOP 7433504979	EPIC RJ7CSRI24RLB05-TOP 7433504990
1.0 m	EPIC RJ5ECSRI26CLB10-TOP 7433504914	EPIC RJ5ECSRI24CLB10-TOP 7433504925	EPIC RJ6ACSRI26CLB10-TOP 7433504936	EPIC RJ7CSRI24CLB10-TOP 7433504947	EPIC RJ5ECSRI26RLB10-TOP 7433504958	EPIC RJ5ECSRI24RLB10-TOP 7433504969	EPIC RJ6ACSRI26RLB10-TOP 7433504980	EPIC RJ7CSRI24RLB10-TOP 7433504991
1.5 m	EPIC RJ5ECSRI26CLB15-TOP 7433504915	EPIC RJ5ECSRI24CLB15-TOP 7433504926	EPIC RJ6ACSRI26CLB15-TOP 7433504937	EPIC RJ7CSRI24CLB15-TOP 7433504948	EPIC RJ5ECSRI26RLB15-TOP 7433504959	EPIC RJ5ECSRI24RLB15-TOP 7433504970	EPIC RJ6ACSRI26RLB15-TOP 7433504981	EPIC RJ7CSRI24RLB15-TOP 7433504992
2.0 m	EPIC RJ5ECSRI26CLB20-TOP 7433504916	EPIC RJ5ECSRI24CLB20-TOP 7433504927	EPIC RJ6ACSRI26CLB20-TOP 7433504938	EPIC RJ7CSRI24CLB20-TOP 7433504949	EPIC RJ5ECSRI26RLB20-TOP 7433504960	EPIC RJ5ECSRI24RLB20-TOP 7433504971	EPIC RJ6ACSRI26RLB20-TOP 7433504982	EPIC RJ7CSRI24RLB20-TOP 7433504993
2.5 m	EPIC RJ5ECSRI26CLB25-TOP 7433504917	EPIC RJ5ECSRI24CLB25-TOP 7433504928	EPIC RJ6ACSRI26CLB25-TOP 7433504939	EPIC RJ7CSRI24CLB25-TOP 7433504950	EPIC RJ5ECSRI26RLB25-TOP 7433504961	EPIC RJ5ECSRI24RLB25-TOP 7433504972	EPIC RJ6ACSRI26RLB25-TOP 7433504983	EPIC RJ7CSRI24RLB25-TOP 7433504994
3.0 m	EPIC RJ5ECSRI26CLB30-TOP 7433504918	EPIC RJ5ECSRI24CLB30-TOP 7433504929	EPIC RJ6ACSRI26CLB30-TOP 7433504940	EPIC RJ7CSRI24CLB30-TOP 7433504951	EPIC RJ5ECSRI26RLB30-TOP 7433504962	EPIC RJ5ECSRI24RLB30-TOP 7433504973	EPIC RJ6ACSRI26RLB30-TOP 7433504984	EPIC RJ7CSRI24RLB30-TOP 7433504995
3.5 m	EPIC RJ5ECSRI26CLB35-TOP 7433504919	EPIC RJ5ECSRI24CLB35-TOP 7433504930	EPIC RJ6ACSRI26CLB35-TOP 7433504941	EPIC RJ7CSRI24CLB35-TOP 7433504952	EPIC RJ5ECSRI26RLB35-TOP 7433504963	EPIC RJ5ECSRI24RLB35-TOP 7433504974	EPIC RJ6ACSRI26RLB35-TOP 7433504985	EPIC RJ7CSRI24RLB35-TOP 7433504996
4.0 m	EPIC RJ5ECSRI26CLB40-TOP 7433504920	EPIC RJ5ECSRI24CLB40-TOP 7433504931	EPIC RJ6ACSRI26CLB40-TOP 7433504942	EPIC RJ7CSRI24CLB40-TOP 7433504953	EPIC RJ5ECSRI26RLB40-TOP 7433504964	EPIC RJ5ECSRI24RLB40-TOP 7433504975	EPIC RJ6ACSRI26RLB40-TOP 7433504986	EPIC RJ7CSRI24RLB40-TOP 7433504997
4.5 m	EPIC RJ5ECSRI26CLB45-TOP 7433504921	EPIC RJ5ECSRI24CLB45-TOP 7433504932	EPIC RJ6ACSRI26CLB45-TOP 7433504943	EPIC RJ7CSRI24CLB45-TOP 7433504954	EPIC RJ5ECSRI26RLB45-TOP 7433504965	EPIC RJ5ECSRI24RLB45-TOP 7433504976	EPIC RJ6ACSRI26RLB45-TOP 7433504987	EPIC RJ7CSRI24RLB45-TOP 7433504998
5.0 m	EPIC RJ5ECSRI26CLB50-TOP 7433504922	EPIC RJ5ECSRI24CLB50-TOP 7433504933	EPIC RJ6ACSRI26CLB50-TOP 7433504944	EPIC RJ7CSRI24CLB50-TOP 7433504955	EPIC RJ5ECSRI26RLB50-TOP 7433504966	EPIC RJ5ECSRI24RLB50-TOP 7433504977	EPIC RJ6ACSRI26RLB50-TOP 7433504988	EPIC RJ7CSRI24RLB50-TOP 7433504999

Wiring Diagram

Wire List

Ethernet patch cables, double ended RJ45 8P8C male plug, Small molded



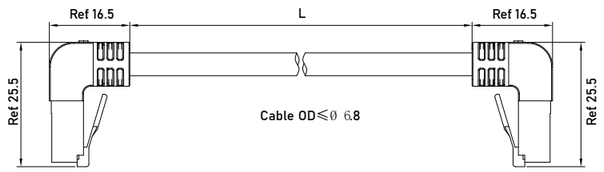
Connector Technical data				
Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference standard	IEC60603-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact to Contact, 1500v Contact to Screen			
Termination	Insulation Percing Contact			
Rated termperature	-25 ~ 70			
Insulation resistance	> 100MΩ			
Contact resistance	< 20mΩ			
Over-molding	PVC/ TPU			
Contacts carrier	PC			
Contacts	Brass Gold-plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ≥ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors			

Ordering No.								
Cable length	PVC Cable (Green)				PUR Halogen Free Cable (Green/)			
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5EC5LI26CG03-small	EPIC RJ5EC5LI24CG03-small	EPIC RJ6AC5LI26CG03-small	EPIC RJ7C5LI24CG03-small	EPIC RJ5EC5LI26RG03-small	EPIC RJ5EC5LI24RG03-small	EPIC RJ6AC5LI26RG03-small	EPIC RJ7C5LI24RG03-small
	7433505000	7433505011	7433505022	7433505033	7433505044	7433505055	7433505066	7433505077
0.5 m	EPIC RJ5EC5LI26CG05-small	EPIC RJ5EC5LI24CG05-small	EPIC RJ6AC5LI26CG05-small	EPIC RJ7C5LI24CG05-small	EPIC RJ5EC5LI26RG05-small	EPIC RJ5EC5LI24RG05-small	EPIC RJ6AC5LI26RG05-small	EPIC RJ7C5LI24RG05-small
	7433505001	7433505012	7433505023	7433505034	7433505045	7433505056	7433505067	7433505078
1.0 m	EPIC RJ5EC5LI26CG10-small	EPIC RJ5EC5LI24CG10-small	EPIC RJ6AC5LI26CG10-small	EPIC RJ7C5LI24CG10-small	EPIC RJ5EC5LI26RG10-small	EPIC RJ5EC5LI24RG10-small	EPIC RJ6AC5LI26RG10-small	EPIC RJ7C5LI24RG10-small
	7433505002	7433505013	7433505024	7433505035	7433505046	7433505057	7433505068	7433505079
1.5 m	EPIC RJ5EC5LI26CG15-small	EPIC RJ5EC5LI24CG15-small	EPIC RJ6AC5LI26CG15-small	EPIC RJ7C5LI24CG15-small	EPIC RJ5EC5LI26RG15-small	EPIC RJ5EC5LI24RG15-small	EPIC RJ6AC5LI26RG15-small	EPIC RJ7C5LI24RG15-small
	7433505003	7433505014	7433505025	7433505036	7433505047	7433505058	7433505069	7433505080
2.0 m	EPIC RJ5EC5LI26CG20-small	EPIC RJ5EC5LI24CG20-small	EPIC RJ6AC5LI26CG20-small	EPIC RJ7C5LI24CG20-small	EPIC RJ5EC5LI26RG20-small	EPIC RJ5EC5LI24RG20-small	EPIC RJ6AC5LI26RG20-small	EPIC RJ7C5LI24RG20-small
	7433505004	7433505015	7433505026	7433505037	7433505048	7433505059	7433505070	7433505081
2.5 m	EPIC RJ5EC5LI26CG25-small	EPIC RJ5EC5LI24CG25-small	EPIC RJ6AC5LI26CG25-small	EPIC RJ7C5LI24CG25-small	EPIC RJ5EC5LI26RG25-small	EPIC RJ5EC5LI24RG25-small	EPIC RJ6AC5LI26RG25-small	EPIC RJ7C5LI24RG25-small
	7433505005	7433505016	7433505027	7433505038	7433505049	7433505060	7433505071	7433505082
3.0 m	EPIC RJ5EC5LI26CG30-small	EPIC RJ5EC5LI24CG30-small	EPIC RJ6AC5LI26CG30-small	EPIC RJ7C5LI24CG30-small	EPIC RJ5EC5LI26RG30-small	EPIC RJ5EC5LI24RG30-small	EPIC RJ6AC5LI26RG30-small	EPIC RJ7C5LI24RG30-small
	7433505006	7433505017	7433505028	7433505039	7433505050	7433505061	7433505072	7433505083
3.5 m	EPIC RJ5EC5LI26CG35-small	EPIC RJ5EC5LI24CG35-small	EPIC RJ6AC5LI26CG35-small	EPIC RJ7C5LI24CG35-small	EPIC RJ5EC5LI26RG35-small	EPIC RJ5EC5LI24RG35-small	EPIC RJ6AC5LI26RG35-small	EPIC RJ7C5LI24RG35-small
	7433505007	7433505018	7433505029	7433505040	7433505051	7433505062	7433505073	7433505084
4.0 m	EPIC RJ5EC5LI26CG40-small	EPIC RJ5EC5LI24CG40-small	EPIC RJ6AC5LI26CG40-small	EPIC RJ7C5LI24CG40-small	EPIC RJ5EC5LI26RG40-small	EPIC RJ5EC5LI24RG40-small	EPIC RJ6AC5LI26RG40-small	EPIC RJ7C5LI24RG40-small
	7433505008	7433505019	7433505030	7433505041	7433505052	7433505063	7433505074	7433505085
4.5 m	EPIC RJ5EC5LI26CG45-small	EPIC RJ5EC5LI24CG45-small	EPIC RJ6AC5LI26CG45-small	EPIC RJ7C5LI24CG45-small	EPIC RJ5EC5LI26RG45-small	EPIC RJ5EC5LI24RG45-small	EPIC RJ6AC5LI26RG45-small	EPIC RJ7C5LI24RG45-small
	7433505009	7433505020	7433505031	7433505042	7433505053	7433505064	7433505075	7433505086
5.0 m	EPIC RJ5EC5LI26CG50-small	EPIC RJ5EC5LI24CG50-small	EPIC RJ6AC5LI26CG50-small	EPIC RJ7C5LI24CG50-small	EPIC RJ5EC5LI26RG50-small	EPIC RJ5EC5LI24RG50-small	EPIC RJ6AC5LI26RG50-small	EPIC RJ7C5LI24RG50-small
	7433505010	7433505021	7433505032	7433505043	7433505054	7433505065	7433505076	7433505087

Wiring Diagram

Wire List

Ethernet patch cables, double ended RJ45 8P8C male plug, Right angled



Connector Technical data				
Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference standard	IEC60603-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact to Contact, 1500v Contact to Screen			
Termination	Insulation Percing Contact			
Rated termperature	-25 ~ 70			
Insulation resistance	> 100MΩ			
Contact resistance	< 20mΩ			
Over-molding	PVC/ TPU			
Contacts carrier	PC			
Contacts	Brass Gold-plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHZ, ≥ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB/ 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB/ 90 dB, pair to pair, mated connectors			

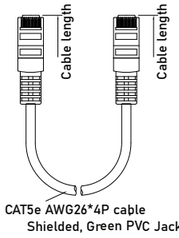
Ordering No.								
Cable length	PVC Cable (Green)				PUR Halogen Free Cable (Green)			
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5EC5RI26CG03-Bottom	EPIC RJ5EC5RI24CG03-Bottom	EPIC RJ6AC5RI26CG03-Bottom	EPIC RJ7C5RI24CG03-Bottom	EPIC RJ5EC5RI26RG03-Bottom	EPIC RJ5EC5RI24RG03-Bottom	EPIC RJ6AC5RI26RG03-Bottom	EPIC RJ7C5RI24RG03-Bottom
	7433505088	7433505099	7433505110	7433505121	7433505132	7433505143	7433505154	7433505165
0.5 m	EPIC RJ5EC5RI26CG05-Bottom	EPIC RJ5EC5RI24CG05-Bottom	EPIC RJ6AC5RI26CG05-Bottom	EPIC RJ7C5RI24CG05-Bottom	EPIC RJ5EC5RI26RG05-Bottom	EPIC RJ5EC5RI24RG05-Bottom	EPIC RJ6AC5RI26RG05-Bottom	EPIC RJ7C5RI24RG05-Bottom
	7433505089	7433505100	7433505111	7433505122	7433505133	7433505144	7433505155	7433505166
1.0 m	EPIC RJ5EC5RI26CG10-Bottom	EPIC RJ5EC5RI24CG10-Bottom	EPIC RJ6AC5RI26CG10-Bottom	EPIC RJ7C5RI24CG10-Bottom	EPIC RJ5EC5RI26RG10-Bottom	EPIC RJ5EC5RI24RG10-Bottom	EPIC RJ6AC5RI26RG10-Bottom	EPIC RJ7C5RI24RG10-Bottom
	7433505090	7433505101	7433505112	7433505123	7433505134	7433505145	7433505156	7433505167
1.5 m	EPIC RJ5EC5RI26CG15-Bottom	EPIC RJ5EC5RI24CG15-Bottom	EPIC RJ6AC5RI26CG15-Bottom	EPIC RJ7C5RI24CG15-Bottom	EPIC RJ5EC5RI26RG15-Bottom	EPIC RJ5EC5RI24RG15-Bottom	EPIC RJ6AC5RI26RG15-Bottom	EPIC RJ7C5RI24RG15-Bottom
	7433505091	7433505102	7433505113	7433505124	7433505135	7433505146	7433505157	7433505168
2.0 m	EPIC RJ5EC5RI26CG20-Bottom	EPIC RJ5EC5RI24CG20-Bottom	EPIC RJ6AC5RI26CG20-Bottom	EPIC RJ7C5RI24CG20-Bottom	EPIC RJ5EC5RI26RG20-Bottom	EPIC RJ5EC5RI24RG20-Bottom	EPIC RJ6AC5RI26RG20-Bottom	EPIC RJ7C5RI24RG20-Bottom
	7433505092	7433505103	7433505114	7433505125	7433505136	7433505147	7433505158	7433505169
2.5 m	EPIC RJ5EC5RI26CG25-Bottom	EPIC RJ5EC5RI24CG25-Bottom	EPIC RJ6AC5RI26CG25-Bottom	EPIC RJ7C5RI24CG25-Bottom	EPIC RJ5EC5RI26RG25-Bottom	EPIC RJ5EC5RI24RG25-Bottom	EPIC RJ6AC5RI26RG25-Bottom	EPIC RJ7C5RI24RG25-Bottom
	7433505093	7433505104	7433505115	7433505126	7433505137	7433505148	7433505159	7433505170
3.0 m	EPIC RJ5EC5RI26CG30-Bottom	EPIC RJ5EC5RI24CG30-Bottom	EPIC RJ6AC5RI26CG30-Bottom	EPIC RJ7C5RI24CG30-Bottom	EPIC RJ5EC5RI26RG30-Bottom	EPIC RJ5EC5RI24RG30-Bottom	EPIC RJ6AC5RI26RG30-Bottom	EPIC RJ7C5RI24RG30-Bottom
	7433505094	7433505105	7433505116	7433505127	7433505138	7433505149	7433505160	7433505171
3.5 m	EPIC RJ5EC5RI26CG35-Bottom	EPIC RJ5EC5RI24CG35-Bottom	EPIC RJ6AC5RI26CG35-Bottom	EPIC RJ7C5RI24CG35-Bottom	EPIC RJ5EC5RI26RG35-Bottom	EPIC RJ5EC5RI24RG35-Bottom	EPIC RJ6AC5RI26RG35-Bottom	EPIC RJ7C5RI24RG35-Bottom
	7433505095	7433505106	7433505117	7433505128	7433505139	7433505150	7433505161	7433505172
4.0 m	EPIC RJ5EC5RI26CG40-Bottom	EPIC RJ5EC5RI24CG40-Bottom	EPIC RJ6AC5RI26CG40-Bottom	EPIC RJ7C5RI24CG40-Bottom	EPIC RJ5EC5RI26RG40-Bottom	EPIC RJ5EC5RI24RG40-Bottom	EPIC RJ6AC5RI26RG40-Bottom	EPIC RJ7C5RI24RG40-Bottom
	7433505096	7433505107	7433505118	7433505129	7433505140	7433505151	7433505162	7433505173
4.5 m	EPIC RJ5EC5RI26CG45-Bottom	EPIC RJ5EC5RI24CG45-Bottom	EPIC RJ6AC5RI26CG45-Bottom	EPIC RJ7C5RI24CG45-Bottom	EPIC RJ5EC5RI26RG45-Bottom	EPIC RJ5EC5RI24RG45-Bottom	EPIC RJ6AC5RI26RG45-Bottom	EPIC RJ7C5RI24RG45-Bottom
	7433505097	7433505108	7433505119	7433505130	7433505141	7433505152	7433505163	7433505174
5.0 m	EPIC RJ5EC5RI26CG50-Bottom	EPIC RJ5EC5RI24CG50-Bottom	EPIC RJ6AC5RI26CG50-Bottom	EPIC RJ7C5RI24CG50-Bottom	EPIC RJ5EC5RI26RG50-Bottom	EPIC RJ5EC5RI24RG50-Bottom	EPIC RJ6AC5RI26RG50-Bottom	EPIC RJ7C5RI24RG50-Bottom
	7433505098	7433505109	7433505120	7433505131	7433505142	7433505153	7433505164	7433505175

Wiring Diagram

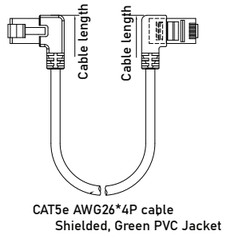
Wire List

RJ45 Male/Male Connector, Molded With Cable

180° Straight



90° Right angled



Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	30V
Impulse voltage	1000V
Locking system	M2 x 0.4mm screw
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm
Termination	Soldering/ Insulation Percing Contact
Wire gauge	0.14~0.25mm² (AWG26~24)
Rated termperature	Flexible: -5 ~ 80 ; Static: -40 ~ 80
Insulation resistance	≥100MΩ
Contact resistance	≤10mΩ
Over-molding	PVC/TPU
Contacts carrier	PC
Contacts	Male: Brass, PE Pin: Phosphor bronze
Contacts plating	Au (Gold)
EMC Shielding	Shielded
Characteristic impedance	100Ω±25
Coupling attenuation	≥35db
Delayed	≤2.5 ns
Insertion Loss	≤0.1db
Return Loss	68db
Near End Crosstalk Loss	≥94db
Far End Crosstalk Loss	≥83db

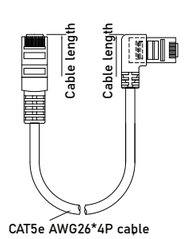
Ordering No.

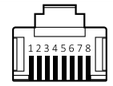
Cable length	180° Straight PVC (Cable)	90° Right angled PVC (Cable)
1 m	EPIC RJ5E08SL-26CG10	EPIC RJ5E08SR-26CG10
2 m	EPIC RJ5E08SL-26CG20	EPIC RJ5E08SR-26CG20
3 m	EPIC RJ5E08SL-26CG30	EPIC RJ5E08SR-26CG30
5 m	EPIC RJ5E08SL-26CG50	EPIC RJ5E08SR-26CG50
10 m	EPIC RJ5E08SL-26CG100	EPIC RJ5E08SR-26CG100

Wiring Diagram

RJ45 Male/Male Connector, Molded With Cable

180° Straight



Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	30V
Impulse voltage	1000V
Locking system	M2 x 0.4mm screw
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm
Termination	Soldering/ Insulation Percing Contact
Wire gauge	0.14~0.25mm² (AWG26~24)
Rated termperature	Flexible: -5 ~ 80 ; Static: -40 ~ 80
Insulation resistance	≥100MΩ
Contact resistance	≤10mΩ
Over-molding	PVC/TPU
Contacts carrier	PC
Contacts	Male: Brass, PE Pin: Phosphor bronze
Contacts plating	Au (Gold)
EMC Shielding	Shielded
Characteristic impedance	100Ω±25
Coupling attenuation	≥35db
Delayed	≤2.5 ns
Insertion Loss	≤0.1db
Return Loss	68db
Near End Crosstalk Loss	≥94db
Far End Crosstalk Loss	≥83db

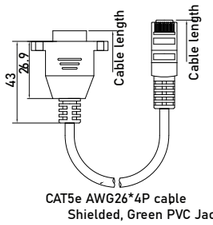
Ordering No.

Cable length	180° Straight PVC (Cable)
1 m	EPIC RJ5E08SL-26CG10-RJ45R
2 m	EPIC RJ5E08SL-26CG20-RJ45R
3 m	EPIC RJ5E08SL-26CG30-RJ45R
5 m	EPIC RJ5E08SL-26CG50-RJ45R
10 m	EPIC RJ5E08SL-26CG100-RJ45R

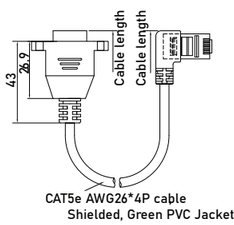
Wiring Diagram

RJ45 Male/Female Connector with Locking Screw, Molded With Cable

180° Straight



90° Right angled

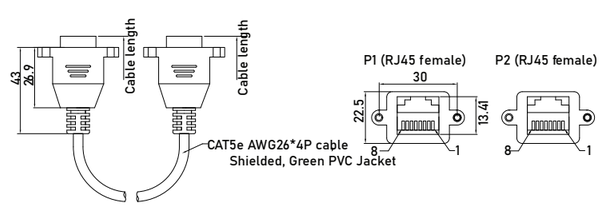


Connector Technical data		
Contacts No.	RJ45 male	RJ45 female
Front View		
Reference standard	IEC 60603-7-7	
Rated current	1.5A	
Rated voltage	30V	
Impulse voltage	1000V	
Locking system	M2 x 0.4mm screw	
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm	
Termination	Soldering/ Insulation Percing Contact	
Wire gauge	0.14~0.25mm² (AWG26~24)	
Rated termperature	Flexible: -5 ~ 80 ; Static: -40 ~ 80	
Insulation resistance	≥100MΩ	
Contact resistance	≤10mΩ	
Over-molding	PVC/TPU	
Contacts carrier	PC	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
Contacts plating	Au (Gold)	
EMC Shielding	Shielded	
Characteristic impedance	100Ω±25	
Coupling attenuation	≥35db	
Delayed	≤2.5 ns	
Insertion Loss	≤0.1db	
Return Loss	68db	
Near End Crosstalk Loss	≥94db	
Far End Crosstalk Loss	≥83db	

Ordering No.		
Cable length	180° Straight PVC (Cable)	90° Right angled PVC (Cable)
1 m	EPIC RJ5E08S-26CG10-RJ45L	EPIC RJ5E08S-26CG10-RJ45R
2 m	EPIC RJ5E08S-26CG20-RJ45L	EPIC RJ5E08S-26CG20-RJ45R
3 m	EPIC RJ5E08S-26CG30-RJ45L	EPIC RJ5E08S-26CG30-RJ45R
5 m	EPIC RJ5E08S-26CG50-RJ45L	EPIC RJ5E08S-26CG50-RJ45R
10 m	EPIC RJ5E08S-26CG100-RJ45L	EPIC RJ5E08S-26CG100-RJ45R

Wiring Diagram

RJ45 Female/Female Connector with Locking Screw, Molded With Cable

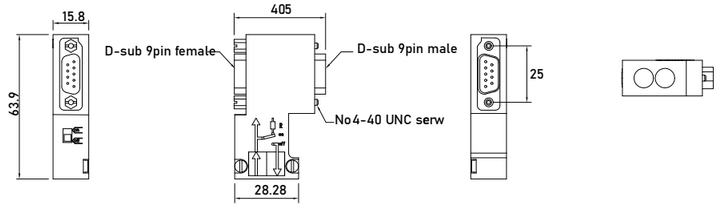


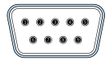
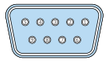
Connector Technical data	
Contacts No.	RJ45 female
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	30V
Impulse voltage	1000V
Locking system	M2 x 0.4mm screw
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm
Termination	Soldering/ Insulation Percing Contact
Wire gauge	0.14~0.25mm² (AWG26~24)
Rated termperature	Flexible: -5 ~ 80 ; Static: -40 ~ 80
Insulation resistance	≥100MΩ
Contact resistance	≤10mΩ
Over-molding	PVC/TPU
Contacts carrier	PC
Contacts	Male: Brass, PE Pin: Phosphor bronze
Contacts plating	Au (Gold)
EMC Shielding	Shielded
Characteristic impedance	100Ω±25
Coupling attenuation	≥35db
Delayed	≤2.5 ns
Insertion Loss	≤0.1db
Return Loss	68db
Near End Crosstalk Loss	≥94db
Far End Crosstalk Loss	≥83db

Ordering No.	
Cable length	180° Straight PVC (Cable/)
1 m	EPIC RJ5E08S-26CG10
2 m	EPIC RJ5E08S-26CG20
3 m	EPIC RJ5E08S-26CG30
5 m	EPIC RJ5E08S-26CG50
10 m	EPIC RJ5E08S-26CG100

Wiring Diagram

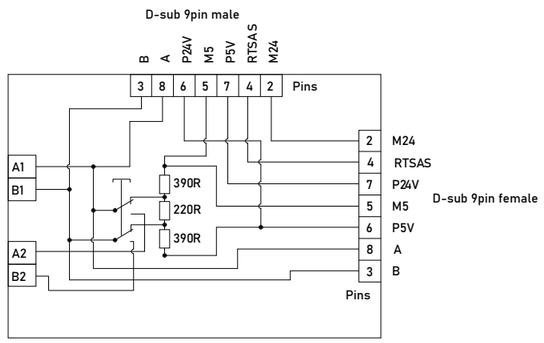
PROFIBUS bus male to female connector, RS 485, screw, with programming port, 90° degree cable outlet



Connector Technical data		
Contacts No.	Male	Female
Front View		
Rated current	150 mA	
Maximum voltage	28.8 V	
Maximum capacitance	5000 nF	
Maximum inductance	3000 μ H	
Transfer rate	9.6kbit / s ... 12 Mbit /swith PROFIBUS DP	
Locking system	No . 4 -4 0 UNC screw	
Type of cable outlet	90 degree cable outlet	
Termination	Screw fixing	
Cable outlet	Max. 6.9 mm	
Design of terminating resistor	Resistor combination integrated and connectable via slide switch	
Rated termperature	Flexible: -2 5 ~ 8 0 ℃; Static: -4 0 ~ 8 0 ℃	
Insulation resistance	＞100 MΩ	
Contact resistance	＜5mΩ	
Connector body	PA6	
Contacts	Brass	
Contacts plating	Au (Gold)	
Protection degree	IP20	
Pollution degree	3	
EMC Shielding	Shielded	

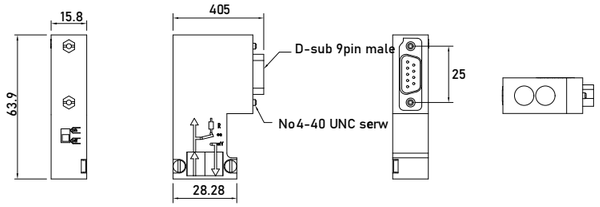
Ordering No.	
Poles	Male to Female
9 Pin	EPIC DB09A12LWAB-PFB-90°

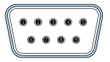
Wiring Diagram



Profibus connector wire list

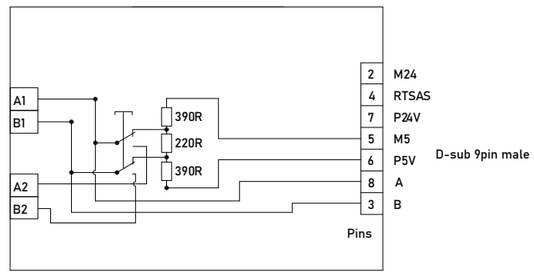
PROFIBUS bus male connector, RS 485, screw, with programming port, 90° degree cable outlet



Connector Technical data	
Contacts No.	Male
Front View	
Rated current	150 mA
Maximum voltage	28.8 V
Maximum capacitance	5000 nF
Maximum inductance	3000 μ H
Transfer rate	9.6kbit / s ... 12 Mbit /swith PROFIBUS DP
Locking system	No . 4 -4 0 UNC screw
Type of cable outlet	90 degree cable outlet
Termination	Screw fixing
Cable outlet	Max. 6.9 mm
Design of terminating resistor	Resistor combination integrated and connectable via slide switch
Rated termperature	Flexible: -2 5 ~ 8 0 ℃; Static: -4 0 ~ 8 0 ℃
Insulation resistance	＞100 MΩ
Contact resistance	＜5mΩ
Connector body	PA6
Contacts	Brass
Contacts plating	Au (Gold)
Protection degree	IP20
Pollution degree	3
EMC Shielding	Shielded

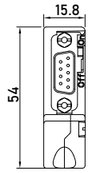
Ordering No.	
Poles	Male to Female
9 Pin	EPIC DB09A1LWAB-PFB-90°

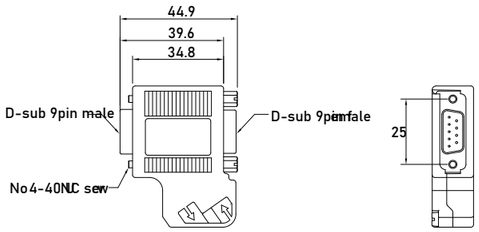
Wiring Diagram

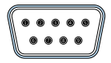
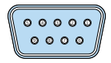


Profibus connector wire list

PROFIBUS bus male to female connector, RS 485, screw, with programming port, 45° degree cable outlet

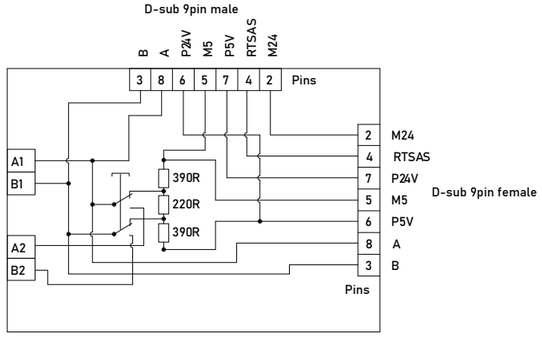




Connector Technical data		
Contacts No.	Male	Female
Front View		
Rated current	150 mA	
Maximum voltage	28.8 V	
Maximum capacitance	5000 nF	
Maximum inductance	3000 µ H	
Transfer rate	9.6kbit / s ... 12 Mbit /swith PROFIBUS DP	
Locking system	No . 4 -4 0 UNC screw	
Type of cable outlet	45 degree cable outlet	
Termination	Screw fixing	
Cable outlet	Max. 6.9mm	
Design of terminating resistor	Resistor combination integrated and connectable via slide switch	
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Connector body	PA6	
Contacts	Brass	
Contacts plating	Au (Gold)	
Protection degree	IP20	
Pollution degree	3	
EMC Shielding	Shielded	

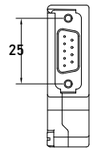
Ordering No.	
Poles	Male to Female
9 Pin	EPIC DB09A12LWAB-PFB-45°

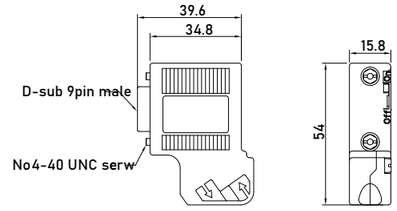
Wiring Diagram

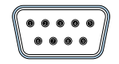


Profibus connector wire list

PROFIBUS bus male connector, RS 485, screw, with programming port, 45° degree cable outlet

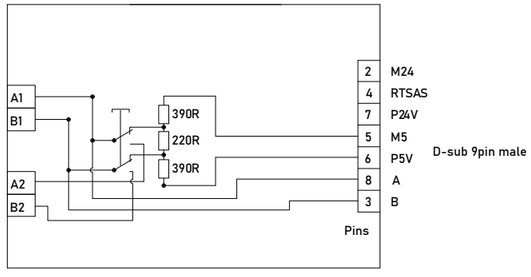




Connector Technical data	
Contacts No.	Male
Front View	
Rated current	150 mA
Maximum voltage	28.8 V
Maximum capacitance	5000 nF
Maximum inductance	3000 µ H
Transfer rate	9.6kbit / s ... 12 Mbit /swith PROFIBUS DP
Locking system	No . 4 -4 0 UNC screw
Type of cable outlet	45 degree cable outlet
Termination	Screw fixing
Cable outlet	Max. 6.9mm
Design of terminating resistor	Resistor combination integrated and connectable via slide switch
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Connector body	PA6
Contacts	Brass
Contacts plating	Au (Gold)
Protection degree	IP20
Pollution degree	3
EMC Shielding	Shielded

Ordering No.	
Poles	Male to Female
9 Pin	EPIC DB09A1LWAB-PFB-45°

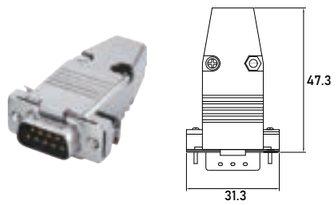
Wiring Diagram



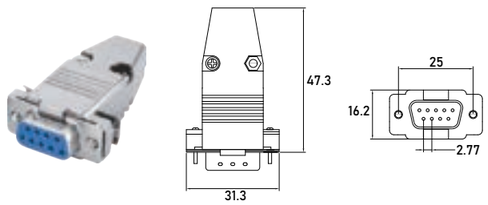
Profibus connector wire list

D-Sub male/ female connector, field wireable, soldering termination, EMI-Shielded

Male



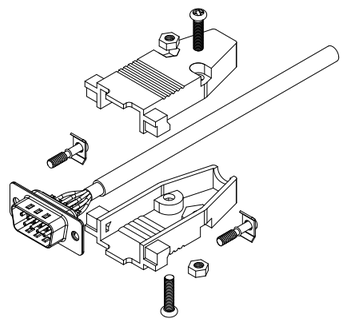
Female

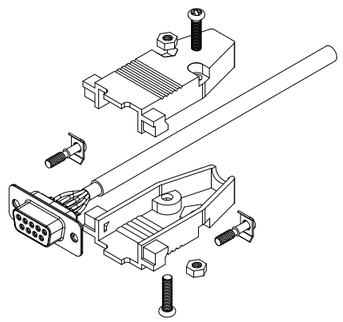


Connector Technical data		
Contacts No.	9Pin	15Pin
Front View	Male	Male
	Female	Female
Reference Standard	IEC60807 - 3	
Rated current	5 A	
Rated voltage	300V	
Impulse voltage	300V	
Locking system	2 *UNC#4 - 40 screw	
Termination	Soldering	
Rated temperature	–25°C ... +70°C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽ 10 mΩ	
Connector body	Zinc alloy	
Contact carrier	PBT + GF	

Ordering No.		
Poles	Male	Female
9 Pin	EPIC DB09A1LSZ-1	EPIC DB09A2LSZ-1
15 Pin	EPIC DB15A1LSZ-1	EPIC DB15A2LSZ-1

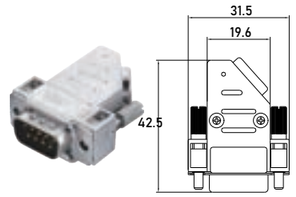
Assembly Instruction



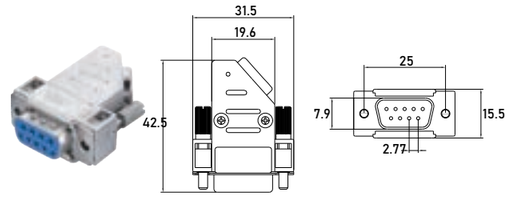


D-Sub male/ female connector, field wireable, soldering termination, EMI-Shielded

Male



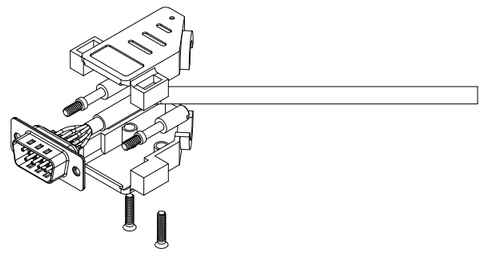
Female

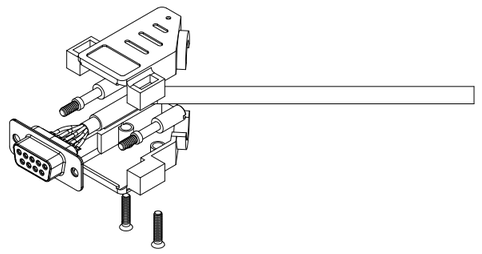


Connector Technical data		
Contacts No.	9Pin	15Pin
Front View	Male	Male
	Female	Female
Reference Standard	IEC60807 - 3	
Rated current	5A	
Rated voltage	300V	
Impulse voltage	300V	
Locking system	2 *UNC#4 - 40 screw	
Termination	Soldering	
Rated temperature	–25°C ... +70°C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽ 10 mΩ	
Connector body	Zinc alloy	
Contact carrier	PBT + GF	

Ordering No.		
Poles	Male	Female
9 Pin	EPIC DB09A1LSZ-2	EPIC DB09A2LSZ-2
15 Pin	EPIC DB15A1LSZ-2	EPIC DB15A2LSZ-2

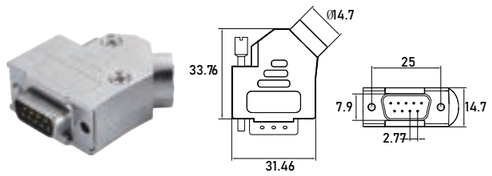
Assembly Instruction



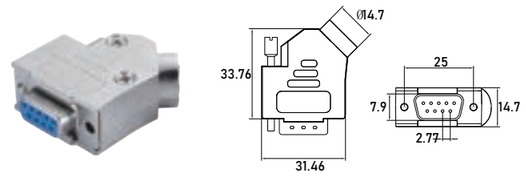


D-Sub male/ female connector, field wireable, soldering termination, EMI-Shielded

Male



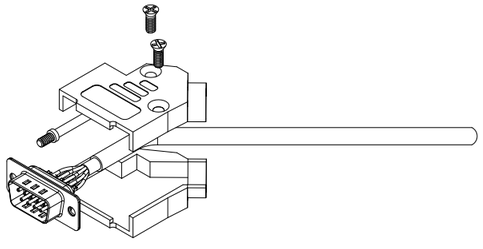
Female

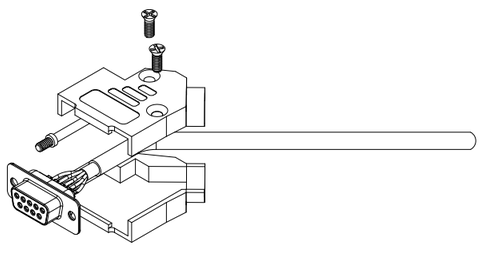


Connector Technical data		
Contacts No.	9Pin	15Pin
Front View	Male	Male
	Female	Female
Reference Standard	IEC60807 - 3	
Rated current	5A	
Rated voltage	300V	
Impulse voltage	300V	
Locking system	2 *UNC#4 - 40 screw	
Termination	Soldering	
Rated temperature	–25°C ... +70°C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽ 10 mΩ	
Connector body	Zinc alloy	
Contact carrier	PBT + GF	

Ordering No.		
Poles	Male	Female
9 Pin	EPIC DB09A1LSZ-1	EPIC DB09A2LSZ-1
15 Pin	EPIC DB15A1LSZ-1	EPIC DB15A2LSZ-1

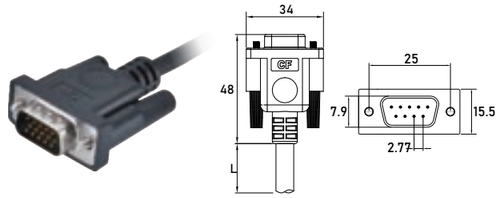
Assembly Instruction



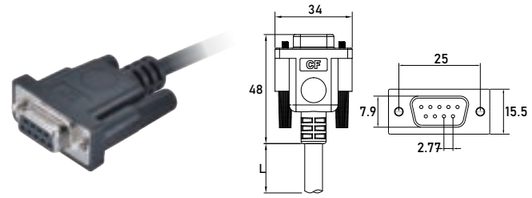


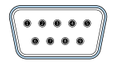
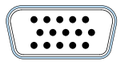
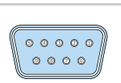
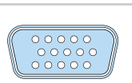
D-Sub male/ female connector, molded with cable, single ended

Male



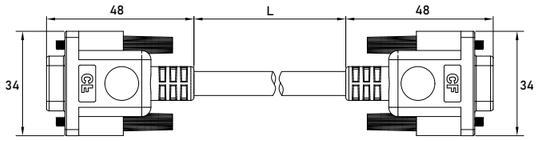
Female

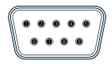
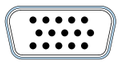
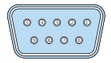
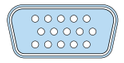


Connector Technical data		
Contacts No.	9Pin	15Pin
Front View	 Male	 Male
	 Female	 Female
Reference Standard	IEC60807 - 3	
Rated current	5A	
Rated voltage	300V	
Impulse voltage	300V	
Locking system	2 *UNC#4 - 40 screw	
Termination	Soldering	
Rated temperature	–25°C ... +70°C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽ 10 mΩ	
Connector body	Zinc alloy	
Contact carrier	PBT + GF	

Ordering No.		
Poles	Male	Female
9 Pin	EPIC DB09C1LSZ-XXXXXX	EPIC DB09C2LSZ-XXXXXX
15 Pin	EPIC DB15C1LSZ-XXXXXX	EPIC DB15C2LSZ-XXXXXX

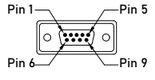
D-Sub male to female connector, molded with cable



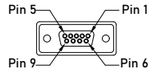
Connector Technical data		
Contacts No.	9Pin	15Pin
Front View	 Male	 Male
	 Female	 Female
Reference Standard	IEC60807 - 3	
Rated current	5A	
Rated voltage	300V	
Impulse voltage	300V	
Locking system	2 *UNC#4 - 40 screw	
Termination	Soldering	
Rated temperature	–25°C ... +70°C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽ 10 mΩ	
Connector body	Zinc alloy	
Contact carrier	PBT + GF	

Ordering No.			
Poles	Cable length	PVC (Cable)	
9 Pin	1.0 m	EPIC EPIC DB09C3LSZ24CK10	7433505180
	1.8 m	EPIC EPIC DB09C3LSZ24CK18	7433505181
	2.0 m	EPIC EPIC DB09C3LSZ24CK20	7433505182
	3.0 m	EPIC EPIC DB09C3LSZ24CK30	7433505183
	3.5 m	EPIC EPIC DB09C3LSZ24CK35	7433505184
15 Pin	1.0 m	EPIC EPIC DB15C3LSZ24CK10	7433505185
	1.8 m	EPIC EPIC DB15C3LSZ24CK18	7433505186
	2.0 m	EPIC EPIC DB15C3LSZ24CK20	7433505187
	3.0 m	EPIC EPIC DB15C3LSZ24CK30	7433505188
	3.5 m	EPIC EPIC DB15C3LSZ24CK35	7433505189

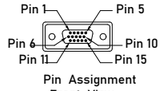
Assembly Instruction



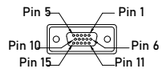
Pin Assignment
Front View
DB 9Pin male



Pin Assignment
Front View
DB 9Pin male



Pin Assignment
Front View
VGA 15Pin male



Pin Assignment
Front View
VGA 15Pin female

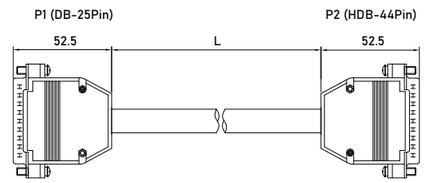
Wire List

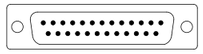
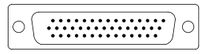
P1 (Male 9 Pin)		P2 (Female 9 Pin)
Pin 2	Brown (AWG 24)	Pin 2
Pin 3	Blue (AWG 24)	Pin 3
Pin 5	Black (AWG 24)	Pin 5

Wire List

P1 (Male 15 Pin)	P2 (Female 15 Pin)
Pin 1	Pin 1
Pin 2	Pin 2
Pin 3	Pin 3
Pin 4	Pin 4
Pin 5	Pin 5
Pin 6	Pin 6
Pin 7	Pin 7
Pin 8	Pin 8
Pin 9	Pin 9
Pin 10	Pin 10
Pin 11	Pin 11
Pin 12	Pin 12
Pin 13	Pin 13
Pin 14	Pin 14
Pin 15	Pin 15

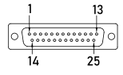
DB 25Pin male to HDB 44Pin male connector, EMI-Shielded Cable



Connector Technical data		
Contacts No.	DB Male 25Pin	HDB Male 44Pin
Front View		
Reference Standard	IEC60807 - 3	
Rated current	2A	
Rated voltage	30V	
Impulse voltage	500V	
Locking system	2 *UNC#4 - 40 screw	
Termination	Soldering	
Rated temperature	–25°C ... +70°C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽ 10 mΩ	
Connector body	Zinc alloy	
Contact carrier	PBT + GF	

Ordering No.			
Poles	Cable length	PVC (Cable)	PUR (Cable)
DB Male 25Pin - HDB Male 44Pin	1.0 m	EPIC DB25M-HDB44M-24CK10	EPIC DB25M-HDB44M-24RK10
	1.8 m	EPIC DB25M-HDB44M-24CK18	EPIC DB25M-HDB44M-24RK18
	2.0 m	EPIC DB25M-HDB44M-24CK20	EPIC DB25M-HDB44M-24RK20
	3.0 m	EPIC DB25M-HDB44M-24CK30	EPIC DB25M-HDB44M-24RK30
	3.5 m	EPIC DB25M-HDB44M-24CK35	EPIC DB25M-HDB44M-24RK35

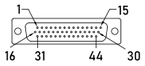
Wiring Diagram



Pni Assignment
Front View
DB-25Pin male

Wire List

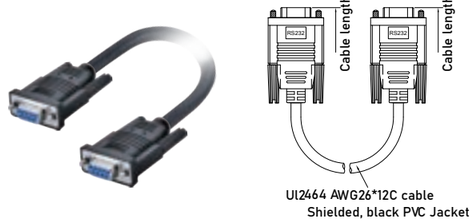
P1 (DB25)			P2 (HDB44)
Pin 10	light blue /Black	(AWG 24)	Pin 29
Pin 2	light blue	(AWG 24)	Pin 1
Pin 6	Red/ White	(AWG 24)	Pin 24
Pin 19	Red	(AWG 24)	Pin 13
Pin 4	Black/ White	(AWG 24)	Pin 22
Pin 17	Black	(AWG 24)	Pin 21
Pin 5	Brown/White	(AWG 24)	Pin 23
Pin 18	Brown	(AWG 24)	Pin 25
Pin 11	Green/ White	(AWG 24)	Pin 36
Pin 23	Green	(AWG 24)	Pin 38
Pin 22	Blue/White	(AWG 24)	Pin 40
Pin 9	Blue	(AWG 24)	Pin 42
Pin 15	Yellow/Black	(AWG 24)	Pin 8
Pin 3	Yellow	(AWG 24)	Pin 33
			Pin 26
Pin 1	Orange/Black	(AWG 24)	Pin 14
Pin 14	Orange	(AWG 24)	Pin 11
			Pin 17
Shell	Braid		Shell



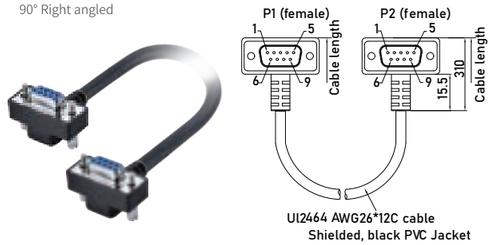
Pin Assignment
Front View
HDB-44Pin male

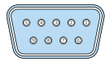
RS232 Female-Female Connector, Molded With Cable

180° Straight



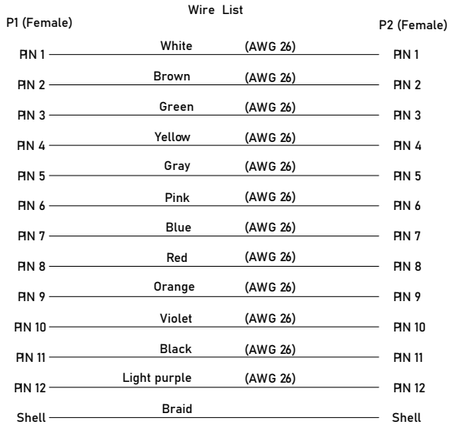
90° Right angled



Connector Technical data	
Contacts No.	9Pin Female
Front View	
Reference standard	IEC60807 - 3
Rated current	5A
Rated voltage	300V
Impulse voltage	300V
Locking system	2 *UNC#4 - 40 screw
Termination	Soldering
Wire gauge	0.25~0.05mm² (AWG24 ~30)
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃
Insulation resistance	≥100MΩ
Contact resistance	≤ 10 mΩ
Connector body	Zinc alloy
Over-molding	PVC/ TPU
Contacts carrier	PBT+GF
Contacts	Male: Brass, PE Pin: Phosphor bronze
EMC Shielding	Shielded

Ordering No.		
Cable length	180° Straight PVC (Cable)	90° Right angled PVC (Cable)
1 m	EPIC DB09C4LS-24CK10	EPIC DB09C4RS-24CK10
2 m	EPIC DB09C4LS-24CK20	EPIC DB09C4RS-24CK20
3 m	EPIC DB09C4LS-24CK30	EPIC DB09C4RS-24CK30
5 m	EPIC DB09C4LS-24CK50	EPIC DB09C4RS-24CK50
10 m	EPIC DB09C4LS-24CK100	EPIC DB09C4RS-24CK100

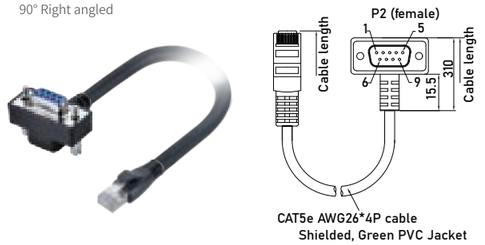
Wiring Diagram

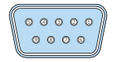


RS232 Female-RJ45 Male Connector, Molded With Cable

180° Straight

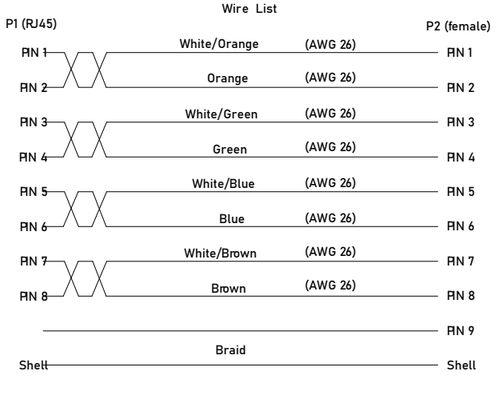
90° Right angled



Connector Technical data		
Contacts No.	RJ45 8P8C	9Pin Female
Front View		
Reference standard	IEC60603 -7-7	
Rated current	1.5A	
Rated voltage	300V	
Impulse voltage	300V	
Locking system	2 *UNC#4 - 40 screw	
Termination	Soldering Insulation Percing Contact	
Wire gauge	0.14~0.25mm² (AWG26 ~24)	
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃	
Insulation resistance	≥100MΩ	
Contact resistance	≤ 10 mΩ	
Over-molding	PVC/ TPU	
Contacts carrier	PBT+GF/PC	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

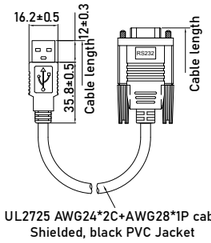
Ordering No.		
Cable length	180° Straight PVC (Cable)	90° Right angled PVC (Cable)
1 m	EPIC DB09C2LS-26CG10-RJ45	EPIC DB09C2RS-26CG10-RJ45
2 m	EPIC DB09C2LS-26CG20-RJ45	EPIC DB09C2RS-26CG20-RJ45
3 m	EPIC DB09C2LS-26CG30-RJ45	EPIC DB09C2RS-26CG30-RJ45
5 m	EPIC DB09C2LS-26CG50-RJ45	EPIC DB09C2RS-26CG50-RJ45
10 m	EPIC DB09C2LS-26CG100-RJ45	EPIC DB09C2RS-26CG100-RJ45

Wiring Diagram



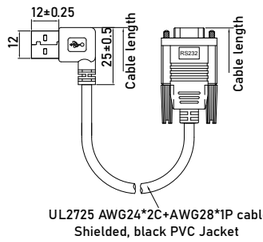
RS232 Female to USB 2.0 Male Connector. Molded With Cable

180° Straight



UL2725 AWG24*2C+AWG28*1P cable
Shielded, black PVC Jacket

90° Right angled

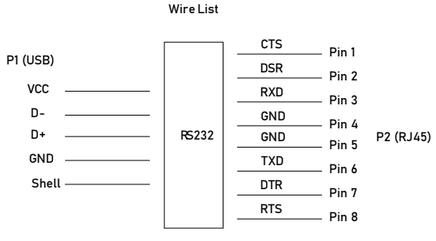


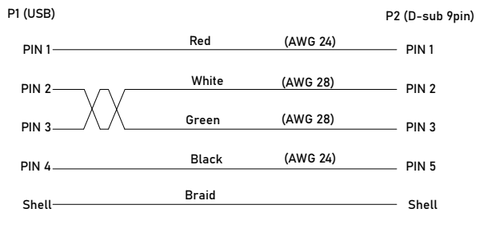
UL2725 AWG24*2C+AWG28*1P cable
Shielded, black PVC Jacket

Connector Technical data		
Contacts No.	USB 2.0 male	9Pin Female
Front View		
Reference standard	USB2 .0	
Rated current	1.8A	
Rated voltage	30V	
Termination	Soldering	
Wire gauge	0.25~0.05mm² (AWG24 ~30)	
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜5 mΩ	
Over-molding	PVC/ TPU	
Contacts carrier	PBT	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

Ordering No.		
Cable length	180° Straight PVC (Cable)	90° Right angled PVC (Cable)
1 m	EPIC U204C1LSB-24CK10-DB09C2LS	EPIC U204C1RSB-24CK10-DB09C2LS
2 m	EPIC U204C1LSB-24CK20-DB09C2LS	EPIC U204C1RSB-24CK20-DB09C2LS
3 m	EPIC U204C1LSB-24CK30-DB09C2LS	EPIC U204C1RSB-24CK30-DB09C2LS
5 m	EPIC U204C1LSB-24CK50-DB09C2LS	EPIC U204C1RSB-24CK50-DB09C2LS
10 m	EPIC U204C1LSB-24CK100-DB09C2LS	EPIC U204C1RSB-24CK100-DB09C2LS

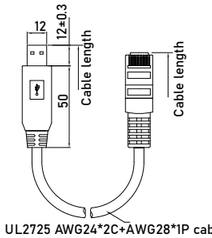
Wiring Diagram





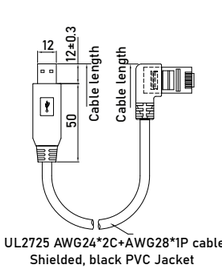
USB 2.0 Male/RJ45 Male Connector Molded With Cable

180° Straight



UL2725 AWG24*2C+AWG28*1P cable
Shielded, black PVC Jacket

90° Right angled

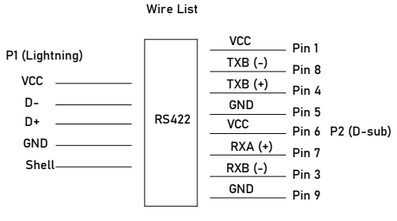


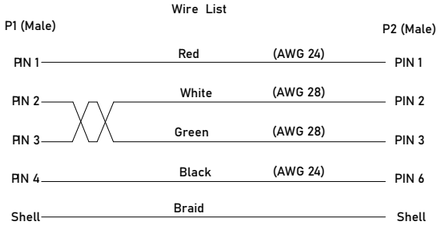
UL2725 AWG24*2C+AWG28*1P cable
Shielded, black PVC Jacket

Connector Technical data		
Contacts No.	4Pin Male	RJ45 male
Front View		
Reference standard	IEC60603 - 7- 7	
Rated current	1.5 A	
Rated voltage	300V	
Termination	300V	
Locking system	2*UNC#4 - 40 screw	
Termination	Soldering Insulation Percing Contact	
Wire gauge	0.14~0.25mm²(AWG26~24)	
Rated termperature	Flexible : - 5 ~ 8 0℃; Static : - 4 0 ~ 8 0℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜10mΩ	
Over-molding	PVC/ TPU	
Contacts carrier	PBT+GF / PC	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

Ordering No.		
Cable length	180° Straight PVC (Cable)	90° Right angled PVC (Cable)
1 m	EPIC U204C1LS-24CK10-RJ45	EPIC U204C1LS-24CK10-RJ45R
2 m	EPIC U204C1LS-24CK20-RJ45	EPIC U204C1LS-24CK20-RJ45R
3 m	EPIC U204C1LS-24CK30-RJ45	EPIC U204C1LS-24CK30-RJ45R
5 m	EPIC U204C1LS-24CK50-RJ45	EPIC U204C1LS-24CK50-RJ45R
10 m	EPIC U204C1LS-24CK100-RJ45	EPIC U204C1LS-24CK100-RJ45R

Wiring Diagram

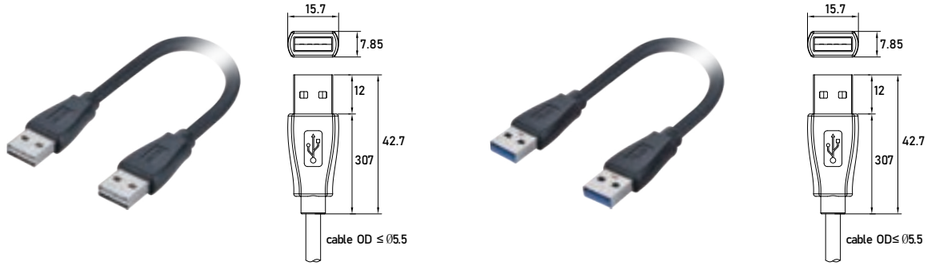




USB Cable

LAPP

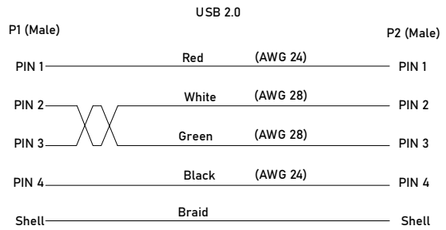
USB male to male connector, molded with cable

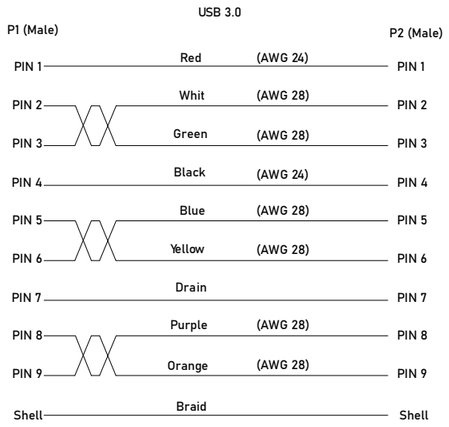


Connector Technical data		
Contacts No.	USB 2.0 male	USB 3.0 male
Front View		
Reference Standard	USB2.0	
Rated current	1.8A	
Rated voltage	30V	
Termination	Soldering	
Cable specification	0.25~0.05mm²(AWG24~30)	
Rated temperature	– 25°C ... +70°C	
Insulation resistance	⩾100MΩ	
Contact resistance	⩽30mΩ	
Connector overmolding	PVC/TPU	
Contact carrier	PBT	
Contact	Brass， Phosphor bronze with gold plated	

Ordering No.		
Cable length	USB 2.0 (Cable)	USB 3.0 (Cable)
1.0 m	EPIC U204C5LS**CK10	EPIC U309C5LS**CK10
1.8 m	EPIC U204C5LS**CK18	EPIC U309C5LS**CK18
2.0 m	EPIC U204C5LS**CK20	EPIC U309C5LS**CK20
3.0 m	EPIC U204C5LS**CK30	EPIC U309C5LS**CK30
3.5 m	EPIC U204C5LS**CK35	EPIC U309C5LS**CK35

Wiring Diagram

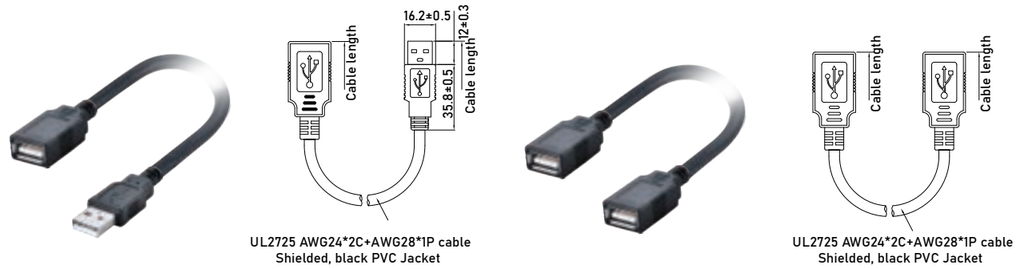




USB 2.0 Cable

LAPP

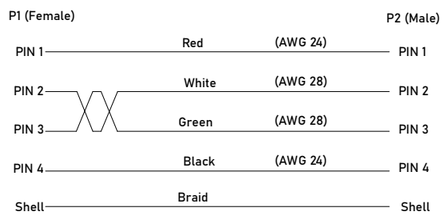
USB 2.0 Male/Female Connector. Molded With Cable

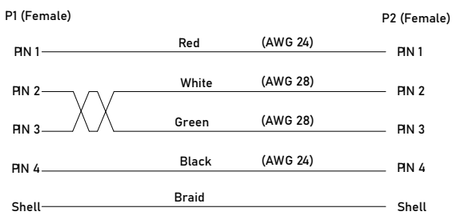


Connector Technical data		
Contacts No.	USB 2.0 male	USB 2.0 female
Front View		
Reference standard	USB2 .0	
Rated current	1.8A	
Rated voltage	30V	
Termination	Soldering	
Wire gauge	0.25~0.05mm² (AWG24 ~30)	
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜5 mΩ	
Over-molding	PVC/ TPU	
Contacts carrier	PBT	
Contacts	Male: Brass， PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

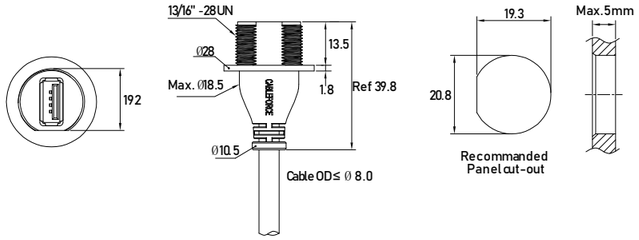
Ordering No.		
Cable length	Male/Female	Female/Female
	PVC (Cable)	PVC (Cable)
1 m	EPIC U204C2LS-24CK10-EPIC U204C1LS	EPIC U204C2LS-24CK10
2 m	EPIC U204C2LS-24CK20-EPIC U204C1LS	EPIC U204C2LS-24CK20
3 m	EPIC U204C2LS-24CK30-EPIC U204C1LS	EPIC U204C2LS-24CK30
5 m	EPIC U204C2LS-24CK50-EPIC U204C1LS	EPIC U204C2LS-24CK50

Wiring Diagram





M23 Male, Field Wire-able, EMI-Shielded, Crimping Termination

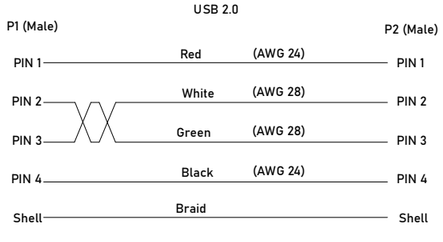


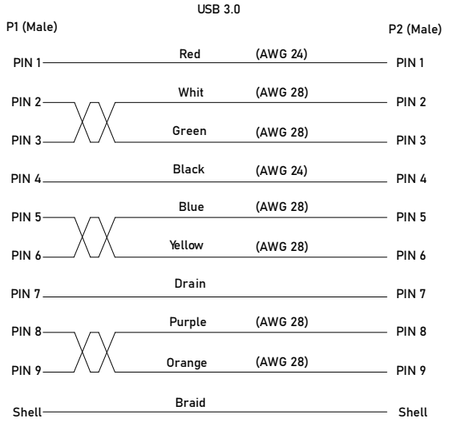
Connector Technical data		
Contacts No.	USB 2.0 female	USB 3.0 female
Front View		
Reference standard	USB 2.0 , USB 3.0	
Rated current	1.8A	
Rated voltage	30V	
Impulse voltage	500V	
Locking system	13/16 "- 28UN screw (13/16"- 28UN)	
Tightening torque	Recommended： 1.0 Nm， Max：1.2 Nm	
Termination	Soldering	
Wire gauge	0.25 ~0.05mm² (24 ~30 AWG)	
Rated termperature	Flexible : - 25 ~ 80℃; Static : - 40 ~ 80℃	
Insulation resistance	＞100 MΩ	
Contact resistance	＜30 mΩ	
Over-molding	PVC/TPU	
Contacts carrier	PBT	
Screw nut	PA6 , Black	
Contacts	Phosphor bronze	
Contacts plating	Au(Gold)	
O-Ring	FKM / Silicon	
Protection degree	IP67, IP68 , IP69K	
Pollution degree	3	
EMC Shielding	Shielded	

Ordering No.

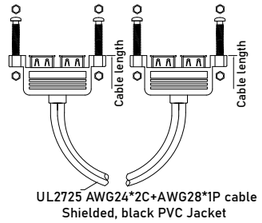
Cable length	USB 2.0		USB 3.0	
	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
1 m	EPIC U204C2LSSP-24CK10	EPIC U204C2LSSP-24RK10	EPIC U309C2LSSP-24CK10	EPIC U309C2LSSP-24RK10
	7433505208	7433505212	7433505216	7433505220
2 m	EPIC U204C2LSSP-24CK20	EPIC U204C2LSSP-24RK20	EPIC U309C2LSSP-24CK20	EPIC U309C2LSSP-24RK20
	7433505209	7433505213	7433505217	7433505221
3 m	EPIC U204C2LSSP-24CK30	EPIC U204C2LSSP-24RK30	EPIC U309C2LSSP-24CK30	EPIC U309C2LSSP-24RK30
	7433505210	7433505214	7433505218	7433505222
5 m	EPIC U204C2LSSP-24CK50	EPIC U204C2LSSP-24RK50	EPIC U309C2LSSP-24CK50	EPIC U309C2LSSP-24RK50
	7433505211	7433505215	7433505219	7433505223

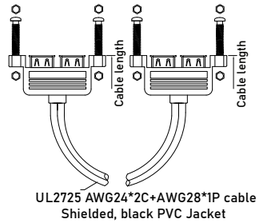
Wiring Diagram





M23 Female, Field Wire-able, EMI-Shielded, Crimping Termination



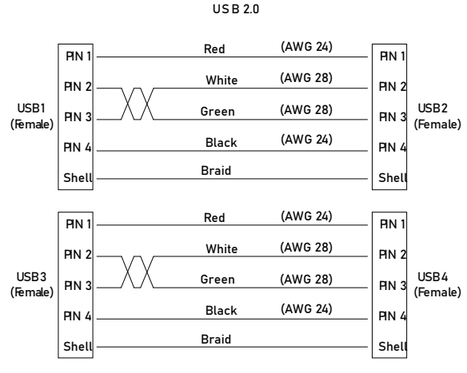


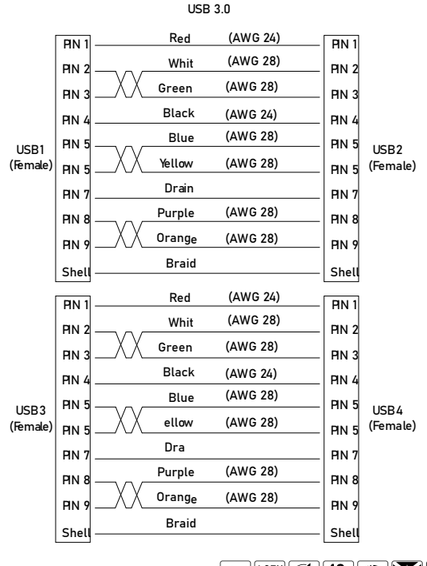
Connector Technical data	
Contacts No.	USB 2.0 female
Front View	
Reference standard	USB2 .0
Rated current	1.8A
Rated voltage	30V
Termination	Soldering
Wire gauge	0.25~0.05mm² (AWG24 ~30)
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃
Insulation resistance	＞100MΩ
Contact resistance	＜5 mΩ
Over-molding	PVC / TPU
Contacts carrier	PBT
Contacts	Male: Brass, PE Pin: Phosphor bronze
EMC Shielding	Shielded

Ordering No.

Cable length	USB 2.0	USB 3.0
	PVC (Cable)	PVC (Cable)
1 m	EPIC U204C4LSM-24CK10	EPIC U304C4LSM-24CK10
2 m	EPIC U204C4LSM-24CK20	EPIC U304C4LSM-24CK20
3 m	EPIC U204C4LSM-24CK30	EPIC U304C4LSM-24CK30
5 m	EPIC U204C4LSM-24CK50	EPIC U304C4LSM-24CK50

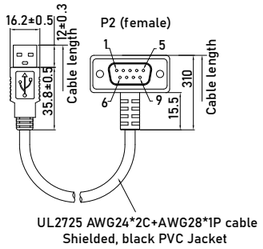
Wiring Diagram



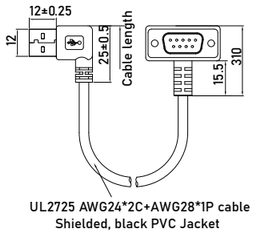


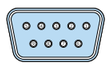
M23 Male, Field Wire-able, EMI-Shielded, Crimping Termination

180° Straight



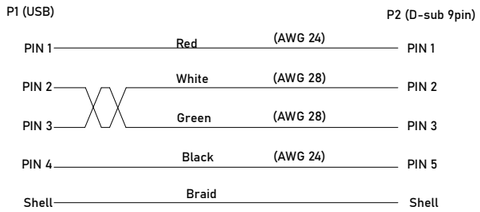
90° Right angled



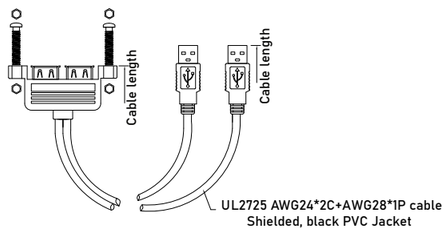
Connector Technical data		
Contacts No.	USB 2.0 male	9Pin Female
Front View		
Reference standard	USB2 .0	
Rated current	1.8A	
Rated voltage	30V	
Termination	Soldering	
Wire gauge	0.25~0.05mm² (AWG24 ~30)	
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜5 mΩ	
Over-molding	PVC / TPU	
Contacts carrier	PBT	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

Ordering No.		
Cable length	180° Straight PVC (Cable)	90° Right angled PVC (Cable)
1 m	EPIC U204C1LSB-24CK10-DB09C2RS	EPIC U204C1RSB-24CK10-DB09C2RS
2 m	EPIC U204C1LSB-24CK20-DB09C2RS	EPIC U204C1RSB-24CK20-DB09C2RS
3 m	EPIC U204C1LSB-24CK30-DB09C2RS	EPIC U204C1RSB-24CK30-DB09C2RS
5 m	EPIC U204C1LSB-24CK50-DB09C2RS	EPIC U204C1RSB-24CK50-DB09C2RS
10 m	EPIC U204C1LSB-24CK100-DB09C2RS	EPIC U204C1RSB-24CK100-DB09C2RS

Wiring Diagram



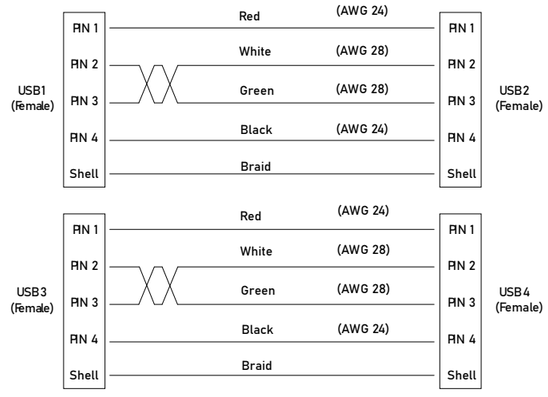
M23 Female, Field Wire-able, EMI-Shielded, Crimping Termination



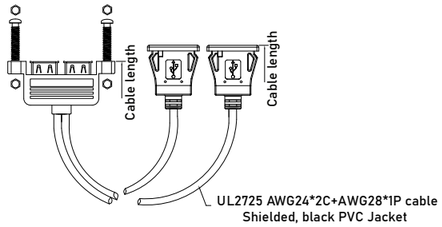
Connector Technical data		
Contacts No.	USB 2.0 male	USB 2.0 female
Front View		
Reference standard	USB2 .0	
Rated current	1.8A	
Rated voltage	30V	
Termination	Soldering	
Wire gauge	0.25~0.05mm² (AWG24 ~30)	
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜5 mΩ	
Over-molding	PVC / TPU	
Contacts carrier	PBT	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

Ordering No.	
Cable length	180° Straight PVC (Cable)
1 m	EPIC U204C4LSM-24CK10
2 m	EPIC U204C4LSM-24CK20
3 m	EPIC U204C4LSM-24CK30
5 m	EPIC U204C4LSM-24CK50
10 m	EPIC U204C4LSM-24CK100

Wiring Diagram



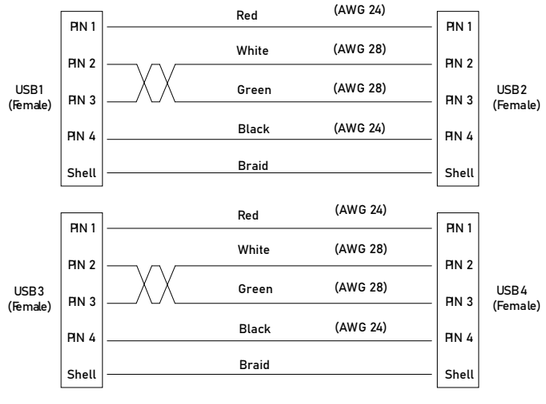
M23 Male, Field Wire-able, EMI-Shielded, Crimping Termination



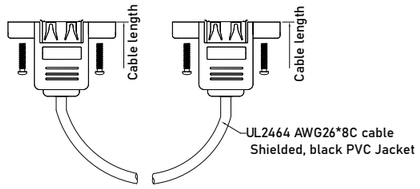
Connector Technical data	
Contacts No.	USB 2.0 female
Front View	
Reference standard	USB2 .0
Rated current	1.8A
Rated voltage	30V
Termination	Soldering
Wire gauge	0.25~0.05mm² (AWG24 ~30)
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃
Insulation resistance	＞100MΩ
Contact resistance	＜5 mΩ
Over-molding	PVC / TPU
Contacts carrier	PBT
Contacts	Male: Brass, PE Pin: Phosphor bronze
EMC Shielding	Shielded

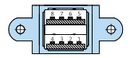
Ordering No.	
Cable length	180° Straight PVC (Cable)
1 m	EPIC U204C4LSM-24CK10
2 m	EPIC U204C4LSM-24CK20
3 m	EPIC U204C4LSM-24CK30
5 m	EPIC U204C4LSM-24CK50
10 m	EPIC U204C4LSM-24CK100

Wiring Diagram



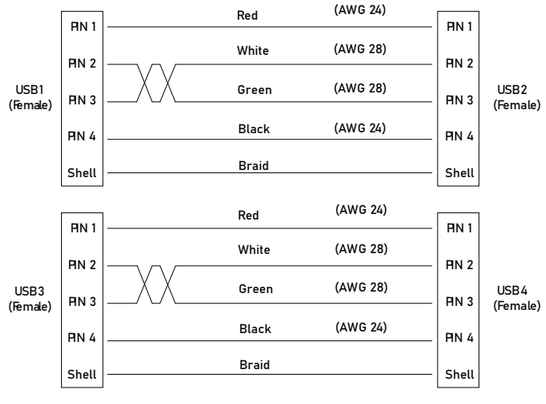
M23 Female, Field Wire-able, EMI-Shielded, Crimping Termination



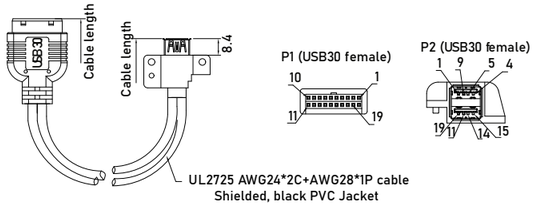
Connector Technical data	
Contacts No.	USB 2.0 female
Front View	
Reference standard	USB2 .0
Rated current	1.8A
Rated voltage	30V
Termination	Soldering
Wire gauge	0.25~0.05mm² (AWG24 ~30)
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃
Insulation resistance	＞100MΩ
Contact resistance	＜5 mΩ
Over-molding	PVC / TPU
Contacts carrier	PBT
Contacts	Male: Brass, PE Pin: Phosphor bronze
EMC Shielding	Shielded

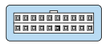
Ordering No.	
Cable length	180° Straight PVC (Cable)
1 m	EPIC U204C4LSM-24CK10
2 m	EPIC U204C4LSM-24CK20
3 m	EPIC U204C4LSM-24CK30
5 m	EPIC U204C4LSM-24CK50
10 m	EPIC U204C4LSM-24CK100

Wiring Diagram



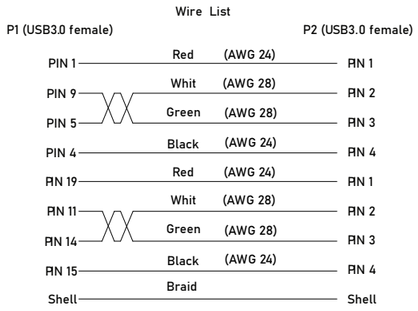
M23 Male, Field Wire-able, EMI-Shielded, Crimping Termination



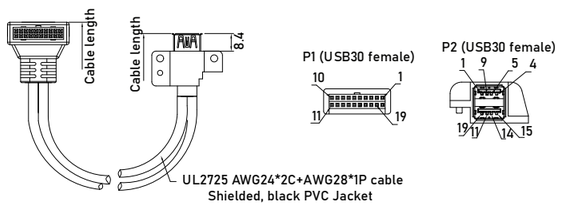
Connector Technical data		
Contacts No.	USB 3.0 female	USB 3.0 female
Front View		
Reference standard	USB3.0	
Rated current	1.8A	
Rated voltage	30V	
Termination	Soldering	
Wire gauge	0.25~0.05mm² (AWG24 ~30)	
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜5 mΩ	
Over-molding	PVC / TPU	
Contacts carrier	PBT	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

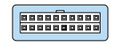
Ordering No.	
Cable length	180° Straight PVC (Cable)
1 m	EPIC U304C2LS-24CK10-EPIC U304C2LSD
2 m	EPIC U304C2LS-24CK20-EPIC U304C2LSD
3 m	EPIC U304C2LS-24CK30-EPIC U304C2LSD
5 m	EPIC U304C2LS-24CK50-EPIC U304C2LSD
10 m	EPIC U304C2LS-24CK100-EPIC U304C2LSD

Wiring Diagram



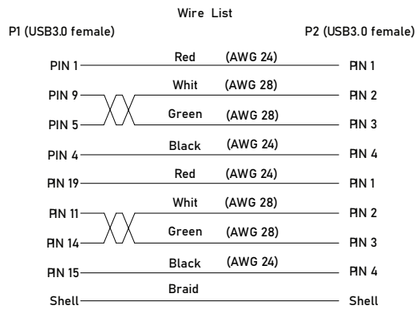
M23 Female, Field Wire-able, EMI-Shielded, Crimping Termination



Connector Technical data		
Contacts No.	USB 3.0 female	USB 3.0 female
Front View		
Reference standard	USB3.0	
Rated current	1.8A	
Rated voltage	30V	
Termination	Soldering	
Wire gauge	0.25~0.05mm² (AWG24 ~30)	
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜5 mΩ	
Over-molding	PVC / TPU	
Contacts carrier	PBT	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

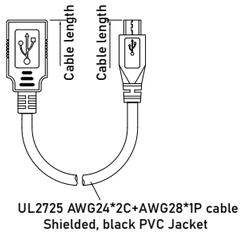
Ordering No.	
Cable length	90° Right angled PVC (Cable)
1 m	EPIC U304C2RS-24CK10-EPIC U304C2LSD
2 m	EPIC U304C2RS-24CK20-EPIC U304C2LSD
3 m	EPIC U304C2RS-24CK30-EPIC U304C2LSD
5 m	EPIC U304C2RS-24CK50-EPIC U304C2LSD
10 m	EPIC U304C2RS-24CK100-EPIC U304C2LSD

Wiring Diagram



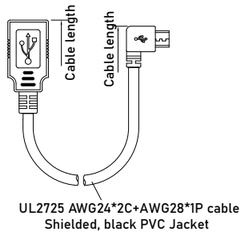
M23 Male, Field Wire-able, EMI-Shielded, Crimping Termination

180° Straight



UL2725 AWG24*2C+AWG28*1P cable
Shielded, black PVC Jacket

90° Right angled

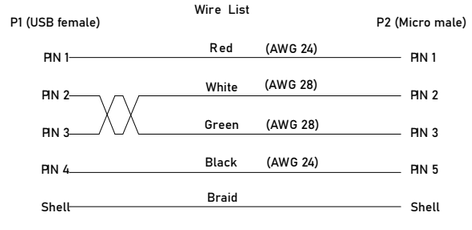


UL2725 AWG24*2C+AWG28*1P cable
Shielded, black PVC Jacket

Connector Technical data		
Contacts No.	USB female	5Pin Male
Front View		
Reference standard	USB2.0	
Rated current	1.8A	
Rated voltage	30V	
Termination	Soldering	
Wire gauge	0.25~0.05mm² (AWG24 ~30)	
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜5 mΩ	
Over-molding	PVC / TPU	
Contacts carrier	PBT	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

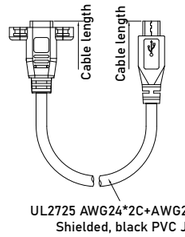
Ordering No.		
Cable length	180° Straight PVC (Cable)	90° Right angled PVC (Cable)
1 m	EPIC U205C2LS-24CK10-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS
2 m	EPIC U205C2LS-24CK20-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS
3 m	EPIC U205C2LS-24CK30-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS
5 m	EPIC U205C2LS-24CK50-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS
10 m	EPIC U205C2LS-24CK100-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS

Wiring Diagram



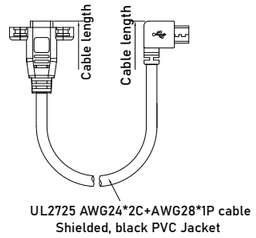
M23 Female, Field Wire-able, EMI-Shielded, Crimping Termination

180° Straight



UL2725 AWG24*2C+AWG28*1P cable
Shielded, black PVC Jacket

90° Right angled

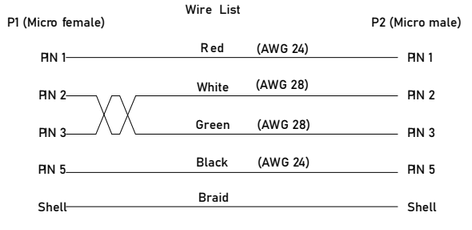


UL2725 AWG24*2C+AWG28*1P cable
Shielded, black PVC Jacket

Connector Technical data		
Contacts No.	5Pin Male	5Pin Female
Front View		
Reference standard	USB2.0	
Rated current	1.8A	
Rated voltage	30V	
Termination	Soldering	
Wire gauge	0.25~0.05mm² (AWG24 ~30)	
Rated termperature	Flexible : - 5 ~ 80℃; Static : - 40 ~ 80 ℃	
Insulation resistance	＞100MΩ	
Contact resistance	＜5 mΩ	
Over-molding	PVC / TPU	
Contacts carrier	PBT	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
EMC Shielding	Shielded	

Ordering No.		
Cable length	180° Straight PVC (Cable)	90° Right angled PVC (Cable)
1 m	EPIC U205C2LS-24CK10-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS
2 m	EPIC U205C2LS-24CK20-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS
3 m	EPIC U205C2LS-24CK30-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS
5 m	EPIC U205C2LS-24CK50-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS
10 m	EPIC U205C2LS-24CK100-EPIC U205C1LS	EPIC U205C2LS-24CK10-EPIC U205C1RS

Wiring Diagram



Rail Transit Vehicle Cables

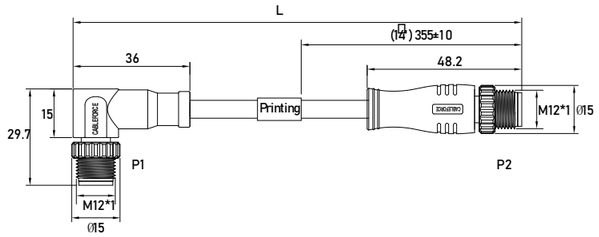
Highly Tailor-made Cable Solution. !
www.cableforce.cn

CABLEFORCE providing wide range of products in a complete line of sizes (AWG and mm²) and safe dependable cable with high-grade crosslinked jacket cables and pre-assembled connectivity solution for servers or CCTV cameras, such as M12 D-Code (Cat 5e) and M12 XCode (Cat 6A, Cat 7) connectors with EN45545 and NFPA130 certified Ethernet cables.

Rail Transit Vehicle Cables

- Low Smoking Zero Halogen
- RoHS Compliant
- UL94 Flame Retardent
- High-Low temperature resistant
- Suitable for railway applications (EN 45545, ECE R118, DIN 5510-2, EN50305, NFPA 130)
- Oil, coolants, lubricants and emulsion resistance
- Electromagnetic resistance
- UV resistance

M12 D-Code, male to male, double ended, molded NFPA 130, EN 45545 LSZH Certified Cat 5e 2x2x22AWG Ethernet Cable

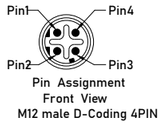


Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Termination	Soldering
Cable specification	0.34mm² (AWG 22), NFPA 130, EN45545 Certified CAT 5E SFTP 2x2x22AWG LSZH Cable
Rated temperature	–40 °C ... +90 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Characteristic impedance	100Ω ±10
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
Protection degree	IP67, IP68
Pollution degree	3

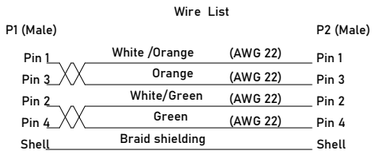
Ordering No.

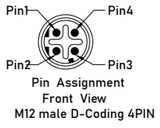
Poles	Cable length	Male-Male
4 Pin	0.5 m	EPIC MC04C5LRDSB-22LB05-R
	1.0 m	EPIC MC04C5LRDSB-22LB10-R
	1.5 m	EPIC MC04C5LRDSB-22LB15-R
	2.0 m	EPIC MC04C5LRDSB-22LB20-R
	3.0 m	EPIC MC04C5LRDSB-22LB30-R

Wiring Diagram



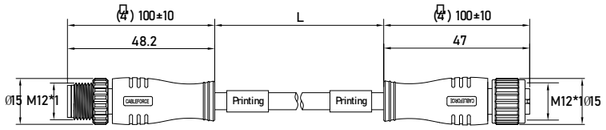
Pin Assignment
Front View
M12 male D-Coding 4PIN





Pin Assignment
Front View
M12 male D-Coding 4PIN

M12 X-Code 8Pin male to M12 A-Code 8Pin female, molded NFPA 130, EN 45545, LSZH Certified Cat 7 4x2x24AWG Ethernet Cable

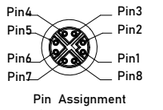


Connector Technical data		
Contacts No.	M12 X-Code 8Pin Male	M12 A-Code 8Pin Female
Front View		
Reference Standard	IEC 61076-2-101, IEC 61076-2-109	
Rated current	0.5A	
Rated voltage	50V	
Impulse voltage	800V	
Locking system	M12 x 1.0 screw	
Termination	Soldering	
Cable specification	0.25mm² (AWG 24), NFPA 130, EN45545 Certified CAT 7 SFTP 4x2x24AWG LSZH Cable	
Rated temperature	–40 °C ... +90 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Characteristic impedance	100Ω ±10	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass, Phosphor bronze	
Contacts plating	Au (Gold)	
Protection degree	IP67, IP68	
Pollution degree	3	

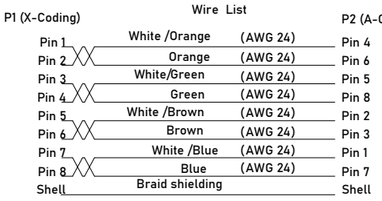
Ordering No.

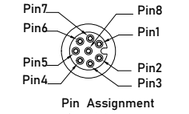
Poles	Cable length	Male-Female
8 Pin	0.5 m	EPIC MC08C1LXSB-MC08C2LASB-24LB05-R
	1.0 m	EPIC MC08C1LXSB-MC08C2LASB-24LB10-R
	1.5 m	EPIC MC08C1LXSB-MC08C2LASB-24LB15-R
	2.0 m	EPIC MC08C1LXSB-MC08C2LASB-24LB20-R
	3.0 m	EPIC MC08C1LXSB-MC08C2LASB-24LB30-R

Wiring Diagram



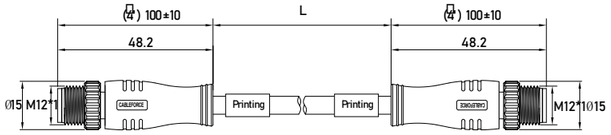
Pin Assignment
Front View
M12 male X-Coding 8Pin





Pin Assignment
Front View
M12 female A-Coding 8Pin

M12 X-Code 8Pin male to M12 A-Code 8Pin male, molded NFPA 130, EN 45545, LSZH Certified Cat 7 4x2x24AWG Ethernet Cable

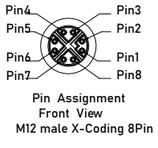


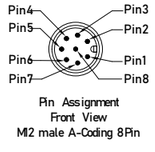
Connector Technical data		
Contacts No.	M12 X-Code 8Pin Male	M12 A-Code 8Pin male
Front View		
Reference Standard	IEC 61076-2-101, IEC 61076-2-109	
Rated current	0.5A	
Rated voltage	50V	
Impulse voltage	800V	
Locking system	M12 x 1.0 screw	
Termination	Soldering	
Cable specification	0.25mm² (AWG 24), NFPA 130, EN45545 Certified CAT 7 SFTP 4x2x24AWG LS	
Rated temperature	–40 °C ... +90 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Characteristic impedance	100Ω ±10	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.

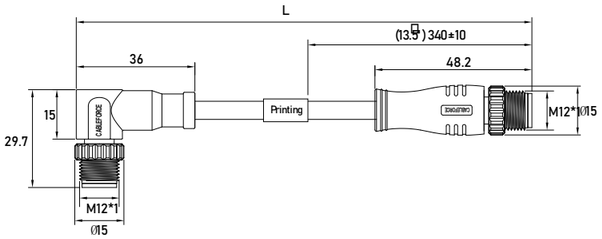
Poles	Cable length	M12 X-Code male to M12 A-Code male
8 Pin	0.5 m	EPIC MC08C1LXSB-MC08C1LASB-24LB05-R
	1.0 m	EPIC MC08C1LXSB-MC08C1LASB-24LB10-R
	1.5 m	EPIC MC08C1LXSB-MC08C1LASB-24LB15-R
	2.0 m	EPIC MC08C1LXSB-MC08C1LASB-24LB20-R
	3.0 m	EPIC MC08C1LXSB-MC08C1LASB-24LB30-R

Wiring Diagram





M12 X-Code 8Pin male to M12 X-Code 8Pin male, molded NFPA 130, EN 45545, LSZH Certified Cat 7 4x2x24AWG Ethernet Cable

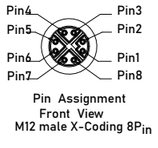


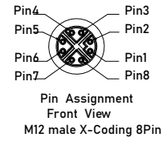
Connector Technical data	
Contacts No.	M12 X-Code 8Pin Male
Front View	
Reference Standard	IEC 61076-2-101, IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Termination	Soldering
Cable specification	0.25mm² (AWG 24), NFPA 130, EN45545 Certified CAT 7 SFTP 4x2x24AWG LS
Rated temperature	–40 °C ... +90 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Characteristic impedance	100Ω ±10
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

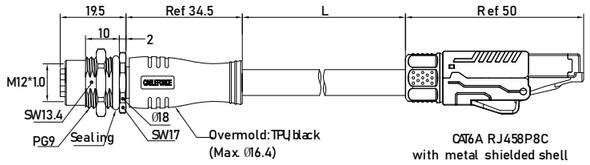
Poles	Cable length	Male-Male
8 Pin	0.5 m	EPIC MC08C5LRXSB-24LB05-R
	1.0 m	EPIC MC08C5LRXSB-24LB10-R
	1.5 m	EPIC MC08C5LRXSB-24LB15-R
	2.0 m	EPIC MC08C5LRXSB-24LB20-R
	3.0 m	EPIC MC08C5LRXSB-24LB30-R

Wiring Diagram





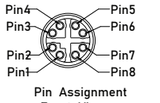
RJ45 to M12 X-Code 8Pin female, molded NFPA 130, EN 45545, LSZH Certified Cat 5E 4x22AWG Ethernet Cable



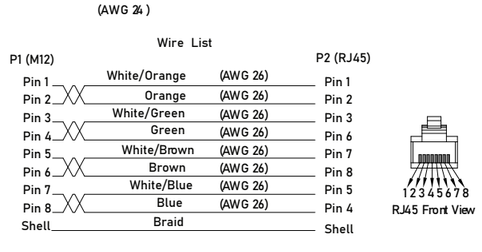
Connector Technical data		
Contacts No.	M12 X-Code 8Pin female	RJ45 8P8C male
Front View		
Reference standard	IEC 61076-2-101, IEC 61076-2-109	
Rated current	0. 5A	
Rated voltage	50V	
Impulse voltage	800V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.4 Nm, Max : 0.8Nm	
Termination	Soldering	
Wire gauge	0.25mm² (AWG 24), NFPA 130, EN45545 Certified CAT 7 SFTP 4x2x24AWG LS	
Rated termperature	–40 °C ... +90 °C	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Characteristic impedance	100Ω ±10	
Over-molding	TPU	
Contacts carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphor bronze	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	
EMC Shielding	Shielded	

Ordering No.		
Poles	Cable length	M12 X-Code Female to RJ45 male
8 Pin	0.5 m	EPIC RJ6A1-MC04P8LSXSB-22LB05-R
	1.0 m	EPIC RJ6A1-MC04P8LSXSB-22LB10-R
	1.5 m	EPIC RJ6A1-MC04P8LSXSB-22LB15-R
	2.0 m	EPIC RJ6A1-MC04P8LSXSB-22LB20-R
	3.0 m	EPIC RJ6A1-MC04P8LSXSB-22LB30-R

Wiring Diagram

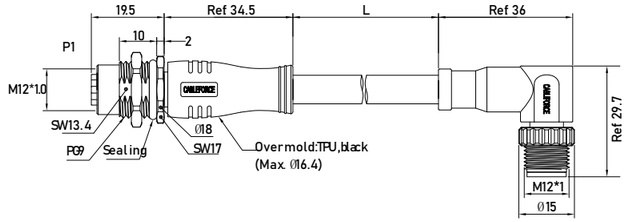


Pin Assignment
Front View
M12 female X-Coding 8 Pin



RJ45 Front View

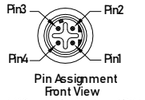
M12 D-Code 4Pin male to M12 D-Code 4Pin female, molded NFPA 130, EN 45545, LSZH Certified Cat 5E 4x22AWG Ethernet Cable



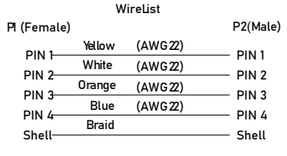
Connector Technical data		
Contacts No.	M12 D-Code 4Pin Male	M12 D-Code 4Pin female
Front View		
Reference standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.4 Nm, Max : 0.8Nm	
Termination	Soldering	
Wire gauge	0.34mm² ~0.14mm² (22~26AWG)	
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Brass / Phosphor bronze ()	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	
EMC Shielding	Shielded	

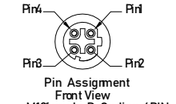
Ordering No.		
Poles	Cable length	Male-Female
4 Pin	0.5 m	EPIC MC04C1RSDSB-22LB05-R-MC04P8LSDSB
	1.0 m	EPIC MC04C1RSDSB-22LB10-R-MC04P8LSDSB
	1.5 m	EPIC MC04C1RSDSB-22LB15-R-MC04P8LSDSB
	2.0 m	EPIC MC04C1RSDSB-22LB20-R-MC04P8LSDSB
	3.0 m	EPIC MC04C1RSDSB-22LB30-R-MC04P8LSDSB

Wiring Diagram



Pin Assignment
Front View
M12 maleD-Coding 4PIN

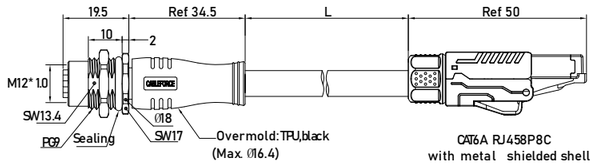




Pin Assignment
Front View
M12female D-Coding 4PIN

NFPA 130, EN 45545 LSZH Ethernet Cable

RJ45 to M12 D-Code 4Pin female, molded NFPA 130, EN 45545, LSZH Certified Cat 5E 4x22AWG Ethernet Cable

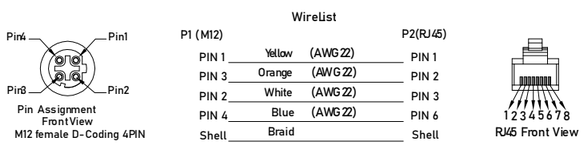


Connector Technical data		
Contacts No.	M12 D-Code 4Pin female	RJ45 8P8C male
Front View		
Reference standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.4 Nm , Max : 0.8Nm	
Termination	Soldering	
Wire gauge	0.34mm² ~0.14mm² (22~26AWG)	
Rated termperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphor bronze ()	
Contacts plating	Au (Gold)	
O-Ring	FKM/ Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	
EMC Shielding	Shielded	

Ordering No.

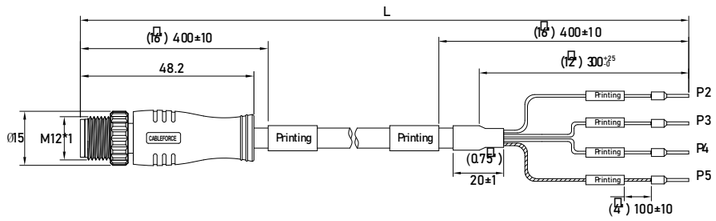
Poles	Cable length	M12 D-Code Female to RJ45 male
4 Pin	0.5 m	EPIC RJ6A1-MC04P8LSDSB-22LB05-R
	1.0 m	EPIC RJ6A1-MC04P8LSDSB-22LB10-R
	1.5 m	EPIC RJ6A1-MC04P8LSDSB-22LB15-R
	2.0 m	EPIC RJ6A1-MC04P8LSDSB-22LB20-R
	3.0 m	EPIC RJ6A1-MC04P8LSDSB-22LB30-R

Wiring Diagram



NFPA 130, EN 45545 LSZH Power Cable

M12 T-Code 4Pin male connector molded NFPA 130, EN 45545, LSZH Certified 3Cx0.5mm² (20AWG) Shielded Cable

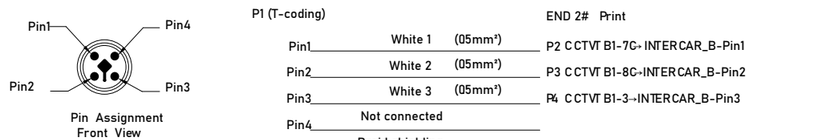


Connector Technical data	
Contacts No.	M12 T-Code 4Pin male
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Termination	Crimping
Cable specification	0.5mm² (AWG 20) , NFPA 130, EN45545 Certified 600V LSZH Cable
Rated temperature	–55 °C ... +120 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Characteristic impedance	100Ω ±10
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

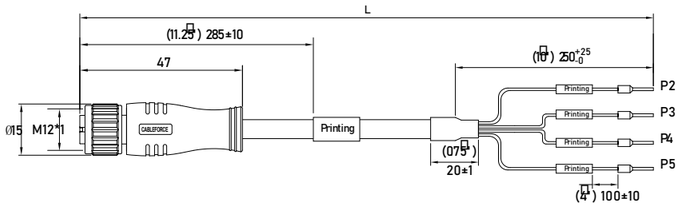
Poles	Cable length	M12 T-Code 4Pin male
4 Pin	0.5 m	EPIC MC04C1LCTSB-20LK05-R
	1.0 m	EPIC MC04C1LCTSB-20LK10-R
	1.5 m	EPIC MC04C1LCTSB-20LK15-R
	2.0 m	EPIC MC04C1LCTSB-20LK20-R
	3.0 m	EPIC MC04C1LCTSB-20LK30-R

Wiring Diagram



NFPA 130, EN 45545 LSZH Power Cable

M12 T-Code 4Pin female connector molded NFPA 130, EN 45545, LSZH Certified
3Cx0.5mm² (20AWG) Shielded Cable

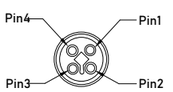


Connector Technical data	
Contacts No.	M12 T-Code 4Pin female
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Termination	Crimping
Cable specification	0.5mm² (AWG 20), NFPA 130, EN45545 Certified 600V LSZH Cable
Rated temperature	–55 °C ... +120 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Characteristic impedance	100Ω ±10
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.

Poles	Cable length	M12 T-Code 4Pin male
4 Pin	0.5 m	EPIC MC04C2LCTSB-20LK05-R
	1.0 m	EPIC MC04C2LCTSB-20LK10-R
	1.5 m	EPIC MC04C2LCTSB-20LK15-R
	2.0 m	EPIC MC04C2LCTSB-20LK20-R
	3.0 m	EPIC MC04C2LCTSB-20LK30-R

Wiring Diagram



Pin Assignment
Front View
M12 female T-Coding 4Pin

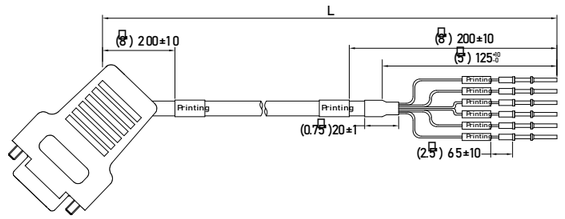
Wire List

P1 (T-coding) — END 2# Print

Pin1	White 1	(0.75mm²)	P2 CCTVIB1-5- NTWRK -Pin1 SW
Pin2	White 2	(0.75mm²)	P3 CCTVIB1-5- NTWRK -Pin2 SW
Pin3	White 3	(0.75mm²)	P4 CCTVIB1-3- NTWRK -Pin3 SW
Pin4	White 4	(0.75mm²)	P5 CCTVIB1-3- NTWRK -Pin4 SW

NFPA 130, EN 45545 LSZH VGA Cable

D-Sub 9 Pin female connector with NFPA 130, EN 45545, LSZH Certified Cat 5e
3x2x24AWG Ethernet Cable

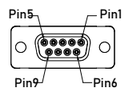


Connector Technical data	
Contacts No.	9Pin Female
Front View	
Reference Standard	IEC60807-3
Rated current	3A
Rated voltage	600V
Impulse voltage	2500V
Locking system	2*UNC#4-40 screw
Termination	PCB Contacts
Rated temperature	– 40 °C ... +90 °C
Insulation resistance	≥100MΩ
Contact resistance	≤ 10mΩ
Connector body	Zinc alloy
Contact carrier	PBT + GF
Contact	Phosphor bronze
Contacts plating	Au (Gold)
Pollution degree	3

Ordering No.

Poles	Cable length	9Pin Female
9 Pin	0.5 m	EPIC DB09A2RSB-24LB05-R
	1.0 m	EPIC DB09A2RSB-24LB10-R
	1.5 m	EPIC DB09A2RSB-24LB15-R
	2.0 m	EPIC DB09A2RSB-24LB20-R
	3.0 m	EPIC DB09A2RSB-24LB30-R

Wiring Diagram

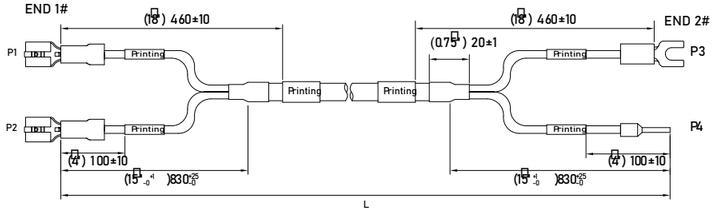


Pin Assignment
Front View
D-Sub 9Pin female

Wie List

END 1#			END 2# Print
Pin 1	Blue	(AWG 24)	CCTVDVR_COM1-1 → CMU_SER1-a
Pin 2	White /Blue	(AWG 24)	CCTVDVR_COM1-2 →CMU_SER1-b
Pin 3	Orange	(AWG 24)	CCTVDVR_COM1-3 →CMU_SER1-c
Pin 4	White /Orange	(AWG 24)	CCTVDVR_COM1-4 →C MU_SER1-d
Pin 5	Green	(AWG 24)	CCTVDVR_COM1-5 →CMU_SER1-e
Pin 6	White/Green	(AWG 24)	CCTVDVR_COM1-6 →CMU_S ER1-f
Pin 7	Not connected		
Pin 8	Not connected		
Pin 9	Not connected		

2C x 1.5mm² (16AWG) NFPA 130, EN 45545, LSZH Certified Power Cable



Connector Technical data	
Rated current	16A
Rated voltage	600V
Impulse voltage	2500V
Rated temperature	– 55°C ... +120 °C

Wiring Diagram

Wire List

END 1# print			END 2# print
TB102-30P1	White 1	(1.5mm²)	P3 CCTVTB1-SW1-N04
TB102-18P2	White 2	(1.5mm²)	P4 TB1-1

Cable Assembly and Wire Harness

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connecting cables as well as customized cable assembly and wire harness, such as Power + Signal hybrid cable connector assembly, Industrial Drag Chain Cable, PLC and servo motor cables, UL2651, UL2468 Ribbon cables. Whether your application is simple or complex, standard or very custom, we have the technical expertise and the manufacturing capability to help.

Cable Harness

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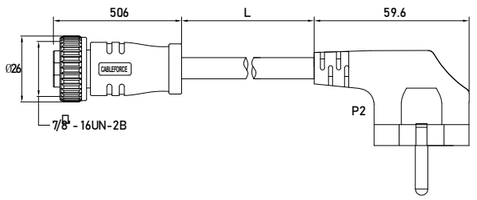
- RoHS Compliant
- UL94 Flame Retardent
- Suitable for railway applications
- High-Low temperature resistant
- Electromagnetic resistance
- Oil,coolants,lubricants and emulsion resistance
- Drag chain suitability
- UV resistance

7/8" 5Pin female connector to CEE 7/7 power plug, molded 3x16AWG PVC jacket cable

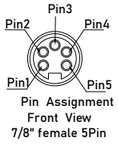


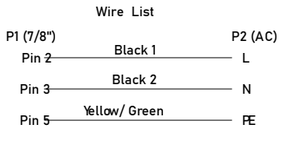
Connector Technical data	
Rated current	9A
Rated voltage	300V
Impulse voltage	2500V
Locking system	7/8" screw
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm
Termination	Crimping
Cable specification	3x1.5mm² (AWG 16) PVC Cable
Rated temperature	–25 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protecton degree	IP67, IP68
Pollution degree	3

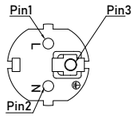
Ordering No.

Wire length	Part number
1.5 m	EPIC MF05C2LCAB-CE7R-16CK15
2.0 m	EPIC MF05C2LCAB-CE7R-16CK20
2.5 m	EPIC MF05C2LCAB-CE7R-16CK25
3.0 m	EPIC MF05C2LCAB-CE7R-16CK30
3.5 m	EPIC MF05C2LCAB-CE7R-16CK35
4.0 m	EPIC MF05C2LCAB-CE7R-16CK40
4.5 m	EPIC MF05C2LCAB-CE7R-16CK45
5.0 m	EPIC MF05C2LCAB-CE7R-16CK50

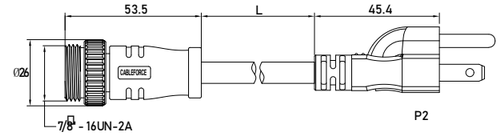
Wiring Diagram







7/8" 5Pin male connector to NEMA 5-15P US power plug, molded 3x16AWG PVC jacket cable

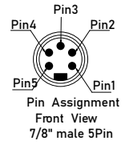


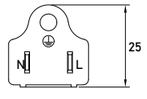
Connector Technical data	
Rated current	9A
Rated voltage	300V
Impulse voltage	2500V
Locking system	7/8" screw
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm
Termination	Crimping
Cable specification	3x1.5mm² (AWG 16) PVC Cable
Rated temperature	–25 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protecton degree	IP67, IP68
Pollution degree	3

Ordering No.

Wire length	Part number
1.5 m	EPIC MF05C1LCAB-NE5-16CK15
2.0 m	EPIC MF05C1LCAB-NE5-16CK20
2.5 m	EPIC MF05C1LCAB-NE5-16CK25
3.0 m	EPIC MF05C1LCAB-NE5-16CK30
3.5 m	EPIC MF05C1LCAB-NE5-16CK35
4.0 m	EPIC MF05C1LCAB-NE5-16CK40
4.5 m	EPIC MF05C1LCAB-NE5-16CK45
5.0 m	EPIC MF05C1LCAB-NE5-16CK50

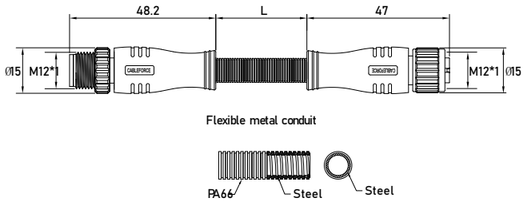
Wiring Diagram

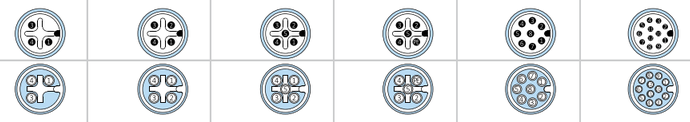




M12 Armoured Connecting Cable

M12 male to female, double ended, flexible conduit with steel amoured cable,
360° EMI-Shielded



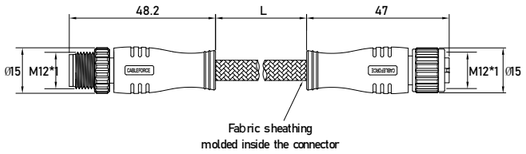
Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	1.5A
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	500V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Termination	Soldering					
Cable specification	0.34mm² (AWG 22)				0.25mm² AWG24	0.14mm² (AWG 26)
Protection conduit	Nylon 66 conduit armoured with steel shield					
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Over-molding	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Brass / Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

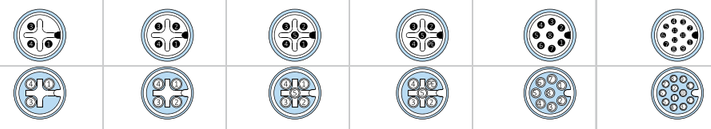
Ordering No.

Poles	Cable length	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSASB22CK10-FC	EPIC MC03C3LSASB22RK10-FC
	2 m	EPIC MC03C3LSASB22CK20-FC	EPIC MC03C3LSASB22RK20-FC
	5 m	EPIC MC03C3LSASB22CK50-FC	EPIC MC03C3LSASB22RK50-FC
4 Pin	1 m	EPIC MC04C3LSASB22CK10-FC	EPIC MC04C3LSASB22RK10-FC
	2 m	EPIC MC04C3LSASB22CK20-FC	EPIC MC04C3LSASB22RK20-FC
	5 m	EPIC MC04C3LSASB22CK50-FC	EPIC MC04C3LSASB22RK50-FC
5 Pin	1 m	EPIC MC05C3LSASB22CK10-FC	EPIC MC05C3LSASB22RK10-FC
	2 m	EPIC MC05C3LSASB22CK20-FC	EPIC MC05C3LSASB22RK20-FC
	5 m	EPIC MC05C3LSASB22CK50-FC	EPIC MC05C3LSASB22RK50-FC
8 Pin	1 m	EPIC MC08C3LSASB24CK10-FC	EPIC MC08C3LSASB24RK10-FC
	2 m	EPIC MC08C3LSASB24CK20-FC	EPIC MC08C3LSASB24RK20-FC
	5 m	EPIC MC08C3LSASB24CK50-FC	EPIC MC08C3LSASB24RK50-FC
12 Pin	1 m	EPIC MC12C3LSASB26CK10-FC	EPIC MC12C3LSASB26RK10-FC
	2 m	EPIC MC12C3LSASB26CK20-FC	EPIC MC12C3LSASB26RK20-FC
	5 m	EPIC MC12C3LSASB26CK50-FC	EPIC MC12C3LSASB26RK50-FC

M12 Armoured Connecting Cable

M12 male to female, double ended, Glass fiber fabric sheath tube amoured cable

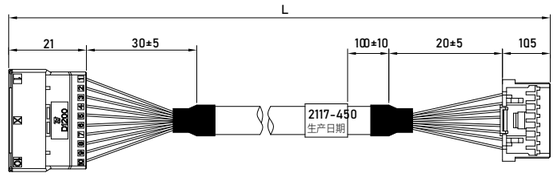


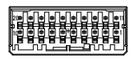
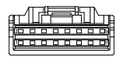
Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	1.5A
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	500V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Termination	Soldering					
Cable specification	0.34mm² (AWG 22)				0.25mm² AWG24	0.14mm² (AWG 26)
Protection conduit	Glass fiber fabric sheath tube					
Rated temperature	Flexible–25 °C ... +80 °C, Static – 40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Over-molding	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Brass / Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM/ Silicon O-Ring					
Protection degree	IP67, IP68					
Pollution degree	3					

Ordering No.

Poles	Cable length	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSAB22CK10-FS	EPIC MC03C3LSAB22RK10-FS
	2 m	EPIC MC03C3LSAB22CK20-FS	EPIC MC03C3LSAB22RK20-FS
	5 m	EPIC MC03C3LSAB22CK50-FS	EPIC MC03C3LSAB22RK50-FS
4 Pin	1 m	EPIC MC04C3LSAB22CK10-FS	EPIC MC04C3LSAB22RK10-FS
	2 m	EPIC MC04C3LSAB22CK20-FS	EPIC MC04C3LSAB22RK20-FS
	5 m	EPIC MC04C3LSAB22CK50-FS	EPIC MC04C3LSAB22RK50-FS
5 Pin	1 m	EPIC MC05C3LSAB22CK10-FS	EPIC MC05C3LSAB22RK10-FS
	2 m	EPIC MC05C3LSAB22CK20-FS	EPIC MC05C3LSAB22RK20-FS
	5 m	EPIC MC05C3LSAB22CK50-FS	EPIC MC05C3LSAB22RK50-FS
8 Pin	1 m	EPIC MC08C3LSAB24CK10-FS	EPIC MC08C3LSAB24RK10-FS
	2 m	EPIC MC08C3LSAB24CK20-FS	EPIC MC08C3LSAB24RK20-FS
	5 m	EPIC MC08C3LSAB24CK50-FS	EPIC MC08C3LSAB24RK50-FS
12 Pin	1 m	EPIC MC12C3LSASB26CK10-FS	EPIC MC12C3LSAB26RK10-FS
	2 m	EPIC MC12C3LSAB26CK20-FS	EPIC MC12C3LSAB26RK20-FS
	5 m	EPIC MC12C3LSAB26CK50-FS	EPIC MC12C3LSAB26RK50-FS

Servo motor control cable, with TE: 1-1903130-0 and Molex: 5016461600 connectors

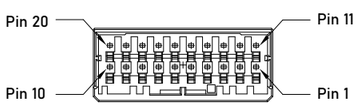


Connector Technical data		
Contacts No.	TE: 1-1903130-0 Male 20Pin	Molex: 5016461600 Female 16Pin
Front View		
Rated current	2A	
Rated voltage	60V	
Impulse voltage	1500V	
Termination	Crimping type	
Cable specification	0.25mm² (AWG 24)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Housing	PA66	
Contact	Brass	
Contacts plating	TIN	
Bending Radius	5 x OD	
Drag chain bending	10 Million times	
Pollution degree	3	

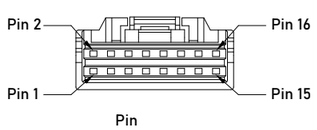
Ordering No.

Wire length	Part number
1.5 m	EPIC 2117-150
2.0 m	EPIC 2117-200
2.5 m	EPIC 2117-250
3.0 m	EPIC 2117-300
3.5 m	EPIC 2117-350
4.0 m	EPIC 2117-400
4.5 m	EPIC 2117-450
5.0 m	EPIC 2117-500

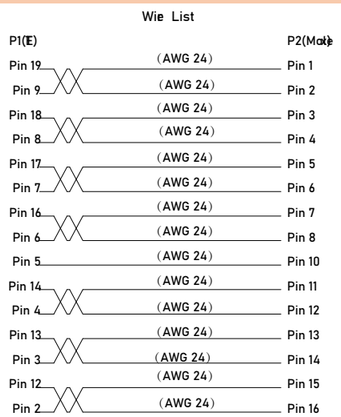
Wiring Diagram



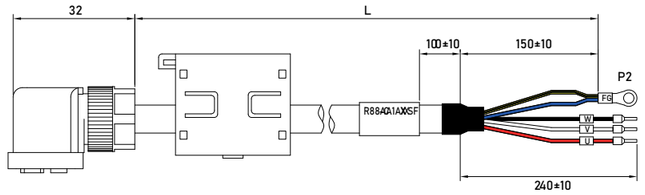
TE: 1-1903130-0



Molex: 5016461600



Servo motor control cable, with JN6 connector, end with wire terminals

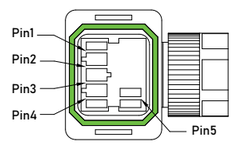


Connector Technical data	
Contacts No.	JN6-5 Female 5Pin
Front View	JN6-5 Female 5Pin
Rated current	6A
Rated voltage	250V
Impulse voltage	2500V
Termination	Crimping type
Cable specification	0.5mm² (AWG 20)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Housing	PA66
Contact	Brass
Contacts plating	Au (Gold)
Bending Radius	5 x OD
Drag chain bending	10 Million times
Pollution degree	3

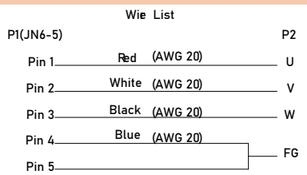
Ordering No.

Wire length	Part number
1.5 m	EPIC R88A-CA1A001.5SF
2.0 m	EPIC R88A-CA1A002SF
2.5 m	EPIC R88A-CA1A002.5SF
3.0 m	EPIC R88A-CA1A003SF
3.5 m	EPIC R88A-CA1A003.5SF
4.0 m	EPIC R88A-CA1A004SF
4.5 m	EPIC R88A-CA1A004.5SF
5.0 m	EPIC R88A-CA1A005SF

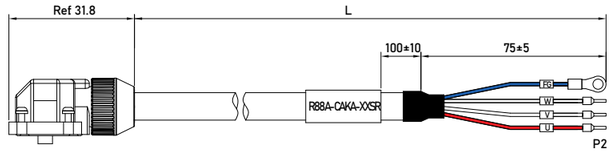
Wiring Diagram



JN6-5Pin



Servo motor control cable, with JN8 connector, end with wire terminals

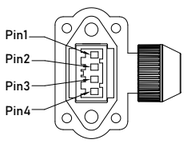


Connector Technical data	
Contacts No.	JN8 Female 4 Pin
Front View	
Rated current	6A
Rated voltage	250V
Impulse voltage	2500V
Termination	Crimping type
Cable specification	0.5mm² (AWG 20)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Housing	PA66
Contact	Brass
Contacts plating	Au (Gold)
Bending Radius	5 x OD
Drag chain bending	10 Million times
Pollution degree	3

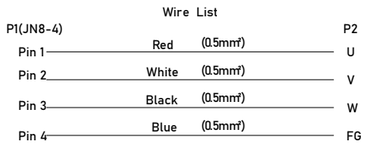
Ordering No.

Wire length	Part number
1.5 m	EPIC R88A-CAKA-01.5SR
2.0 m	EPIC R88A-CAKA-02SR
2.5 m	EPIC R88A-CAKA-02.5SR
3.0 m	EPIC R88A-CAKA-03SR
3.5 m	EPIC R88A-CAKA-03.5SR
4.0 m	EPIC R88A-CAKA-04SR
4.5 m	EPIC R88A-CAKA-04.5SR
5.0 m	EPIC R88A-CAKA-05SR

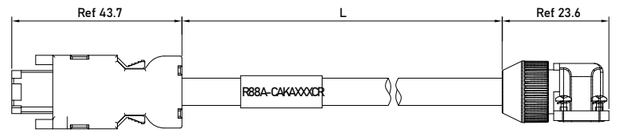
Wiring Diagram

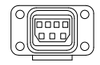


JN8-4Pin



Servo motor control cable, with Molex IEEE 1394 and JN6 connectors

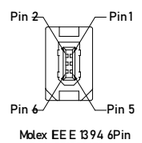


Connector Technical data		
Contacts No.	Molex IEEE 1394 Male 6Pin	JN6 Female 7Pin
Front View		
Rated current	2A	
Rated voltage	60V	
Impulse voltage	1500V	
Termination	Crimping type	
Cable specification	0.2mm² (AWG 24)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	⩽5mΩ	
Housing	PA66	
Contact	Brass	
Contacts plating	Au (Gold) / TIN	
Bending Radius	8 x OD	
Drag chain bending	10 Million times	
Pollution degree	3	

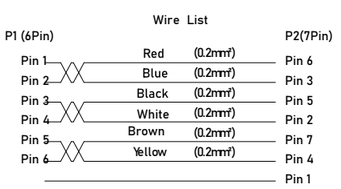
Ordering No.

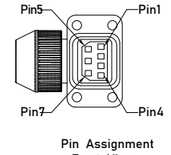
Wire length	Part number
1.5 m	EPIC R88A-CAKA001.5CR
2.0 m	EPIC R88A-CAKA002CR
2.5 m	EPIC R88A-CAKA002.5CR
3.0 m	EPIC R88A-CAKA003CR
3.5 m	EPIC R88A-CAKA003.5CR
4.0 m	EPIC R88A-CAKA004CR
4.5 m	EPIC R88A-CAKA004.5CR
5.0 m	EPIC R88A-CAKA005CR

Wiring Diagram



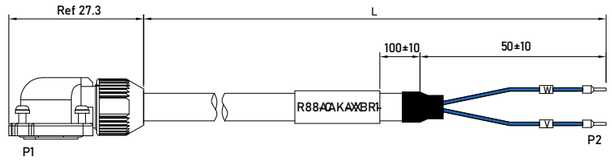
Molex EEE 1394 6Pin
P/N: 551000670





Pin Assignment
Front View
JN6 Female 7Pin

M12 A-Code 5Pin male connector molded with CAN BUS thin cable, end with 6Pin 2.38 Pitch automotive connector

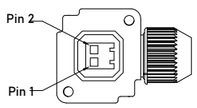


Connector Technical data	
Contacts No.	JN4 Female 2Pin
Front View	
Rated current	2A
Rated voltage	60V
Impulse voltage	1500V
Termination	Crimping type
Cable specification	0.3mm² (AWG 24)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Housing	PA66
Contact	Brass
Contacts plating	Au (Gold)
Bending Radius	8 x OD
Drag chain bending	10 Million times
Pollution degree	3

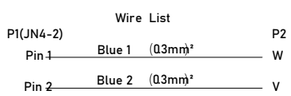
Ordering No.

Wire length	Part number
1.5 m	EPIC R88A-CAKA-01.5BR-1
2.0 m	EPIC R88A-CAKA-02BR-1
2.5 m	EPIC R88A-CAKA-02.5BR-1
3.0 m	EPIC R88A-CAKA-03BR-1
3.5 m	EPIC R88A-CAKA-03.5BR-1
4.0 m	EPIC R88A-CAKA-04BR-1
4.5 m	EPIC R88A-CAKA-04.5BR-1
5.0 m	EPIC R88A-CAKA-05BR-1

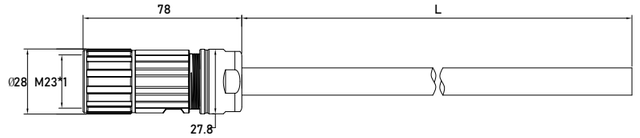
Wiring Diagram



Pin Assignment
Front View
JN4 Female 2Pin



M23 6Pin power connector with servo motor control cable

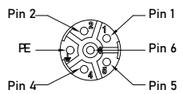


Connector Technical data	
Contacts No.	M23 Female 6Pin
Front View	
Rated current	30A
Rated voltage	630V
Impulse voltage	6KW
Termination	Crimping type
Cable specification	2.5mm² (AWG 12)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥10MΩ
Contact resistance	≤5mΩ
Housing	PA66
Contact	Brass
Contacts plating	Au (Gold)
Bending Radius	5 x OD
Drag chain bending	5 Million times / 500万次
Pollution degree	3

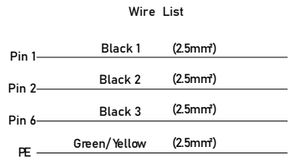
Ordering No.

Wire length	Part number
1.5 m	EPIC MG06C2LCAB-2.5CO15
2.0 m	EPIC MG06C2LCAB-2.5CO20
2.5 m	EPIC MG06C2LCAB-2.5CO25
3.0 m	EPIC MG06C2LCAB-2.5CO30
3.5 m	EPIC MG06C2LCAB-2.5CO35
4.0 m	EPIC MG06C2LCAB-2.5CO40
4.5 m	EPIC MG06C2LCAB-2.5CO45
5.0 m	EPIC MG06C2LCAB-2.5CO50

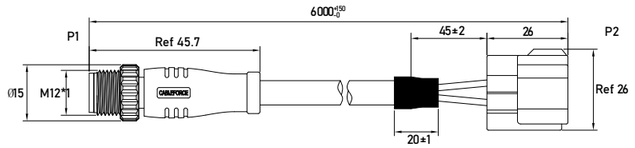
Wiring Diagram



Pin Assignment
Front View
M23 female 6Pin

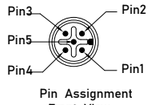


M12 A-Code 5Pin male connector molded with CAN BUS thin cable, end with 6Pin 2.38 Pitch automotive connector



Connector Technical data		
Contacts No.	M12A-Code Male 5Pin	6Pin Connector
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Termination	Soldering	
Cable specification	0.34mm² (AWG 22)	
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon	
Protection degree	IP67, IP68	
Pollution degree	3	

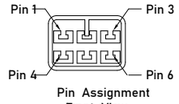
Wiring Diagram



Pin Assignment
Front View
M12 male A -Coding 5Pin

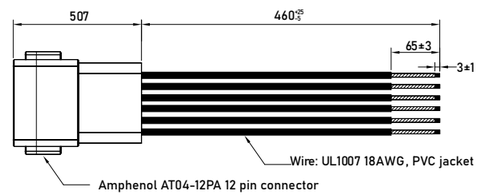
Wire List

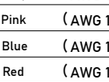
P1 (M12)		P2 (6Pin connector)
Pin 1	Drain	Pin 6
Pin 2	Red (AWG 22)	Pin 1
Pin 3	Black (AWG 22)	Pin 2
Pin 4	White (AWG 24)	Pin 4
Pin 5	Blue (AWG 24)	Pin 5



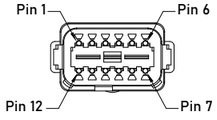
Pin Assignment
Front View
connector 6Pin

12Pin automotive connector cable harness



Connector Technical data	
Contacts No.	AT04-12PA 12Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Termination	Soldering
Cable specification	0.34mm² (AWG 22)
Rated temperature	–25 °C ... +80 °C; – 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon
Protection degree	IP67, IP68
Pollution degree	3

Wiring Diagram

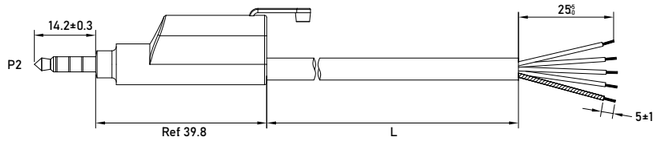


Pin Assignment
Front View
Amphenol :AT04-12PA

Wire List

Pin 1	White	(AWG 18)
Pin 2	Brown	(AWG 18)
Pin 3	Green	(AWG 18)
Pin 4	Yellow/Green	(AWG 18)
Pin 5	Gray	(AWG 18)
Pin 6	Pink	(AWG 18)
Pin 7	Blue	(AWG 18)
Pin 8	Red	(AWG 18)
Pin 9	Orange	(AWG 18)
Pin 10	Yellow	(AWG 18)
Pin 11	Black	(AWG 18)
Pin 12	Violet	(AWG 18)

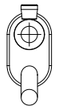
Customized 3.5 stereo plug molded high flexible cable

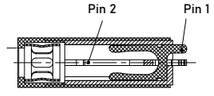


Connector Technical data		
Contacts No.	3.5DC Plug male 4Pin	3.5DC female 2Pin
Front View		
Rated current	1.5A	
Rated voltage	30V	
Impulse voltage	500V	
Locking system	Snap-in	
Termination	Soldering	
Cable specification	0.14mm² (AWG 26)	
Rated temperature	–40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact	Brass	
Contacts plating	Au (Gold)	
Bending Radius	5 x OD	
90° Bending life	5000 times	

Wiring Diagram

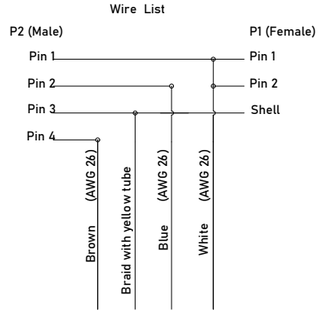
Front View
3.5DC Plug male





Section view
3.5DC female

Back View
3.5DC female



NMEA 2000 Boat Cable Connectors

Highly Tailor-made Cable Solution. !
www.cableforce.cn

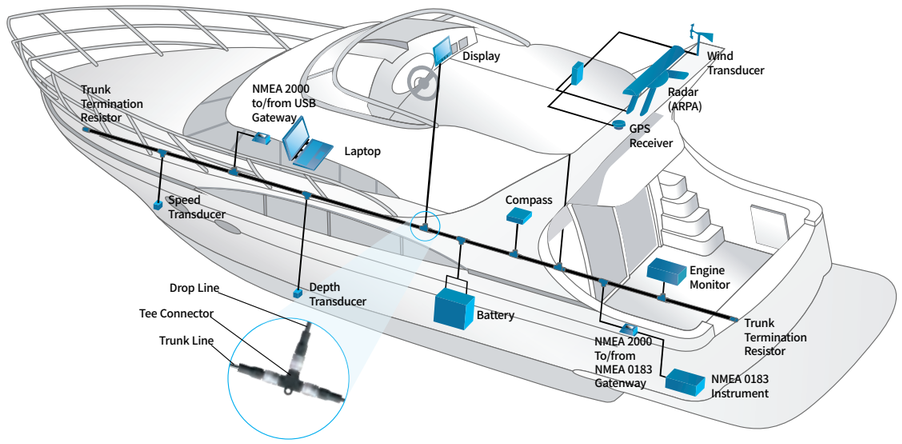
NMEA 2000 abbreviated to NMEA2k or N2K and standardized as IEC 61162-3, is a plug-andplay communications standard used for connecting marine sensors and display units within ships and boats. Electrically NMEA 2000 is compatible with the CANBus used on road vehicles and DeviceNet fieldbus cable specifications. Of NMEA 2000, CABLEFORCE have developed the N2K Trunk-line (15AWG+18AWG) and drop-line 22AWG+24AWG cable and connectors, includes: M12 cable and bulkhead, 7/8" Mini cable and bulkhead and the 120 ohm terminal resistor connector. During the designing stage we have taken following factors into consideration, such as waterproof, harsh temperature shocking, hydrolysis resistant, oil resistant, anti-chemical, corrosion resistance, UV resistance, abrasion resistance, plug mating force and endurance performance.

NMEA 2000

Boat Cable Connectors

- Mini Cable, Mid Cable, Micro Cables Connectors
- T-Connector, Power-tap, Terminator, Power fuse
- Panel mount bulkhead connectors
- Cable length can be customized
- Protection degree: IP67, IP68
- Temperature range: -40℃ ~ 80℃

NMEA 2000 is a plug-and-play communications standard used for connecting marine sensors and display units within ships and boats. Communication runs at 250 kilobits-per-second and allows any sensor to talk to any display unit or other device compatible with NMEA 2000 protocols. Electrically, NMEA 2000 is compatible with the CAN-Busused on road vehicles and fuel engines. The examples of marine electronic devices to include in a network are GPS receivers, auto pilots, wind instruments, depth sounders, navigation instruments, engine instruments, and nautical chart plotters.



Cableforce Micro and Mini Cable Systems

There are generally two types of NMEA 2000 cabling systems, Micro and Mini. The Micro cable system is generally used for smaller networks requiring less power (i.e., less than 4amps per network leg) while the Mini cable systemis used for larger networks (i.e., more than 4 amps but less than 8 amps per leg).

Cableforce have developed the N2K drop-line 22AWG+24AWG cable and connectors as well as N2K Trunk-line (15AWG+18AWG) Mini cable & connectors, includes: the Trunk line and Drop Line cables, panel mount connectors, Tee Connectors, Terminators, Power-tap Tee Cables etc…

Cableforce NMEA 2000 Cable & Connectors Features

- Simple trunk and drop line topology interconnects all NMEA 2000 sensors and equipment.
- Drop line topology allows powered component removal or re-connection while rest of network remains operational.
- Cable includes signal, power and ground for powering equipment drawing less than 1 amp/ device.
- Connectors include keyway coding for simple error free connections.
- Anti-Vibration designed screw thread connectors reduce chances of accidental disconnects of essential equipment.
- Hydraulic resistant material and Waterproof connection design prevents corroded intermittent connections and continues to operate even while submerged in the bilge.
- Independent cable RFI shields (power pair, signal pair, and overall cable) protects system from external noise sources such as high power radio transmitters and radar units.
- Plastic nickel plated brass or Stainless steel SUS316 connector locking screws ideally suited to harsh marine environment.
- Phosphor bronze contacts base material with gold over nickel plate for long time reliable connections.
- Over molded cable connector ends provide strain relief.

M12 Micro Cable

Double-ended cordsets are used for trunk or drop lines and make for a secure connection and simple time saving installation. The connectors are keyed for error-free connection and they are waterproof for continued operation even while submerged in the water.
- Rugged, IP68 rated connectors for continued connection integrity in marine environments
- Various cable lengths to match installation requirements.

Micro M12 Bulkhead

The Micro Bulkhead is installed on the devices enclosure panel as the drop cables receptacle.
- Metal and Plastic Body are both available
- Rugged housing material designed to withstand harsh marine environments
- Lead wires or PCB soldering contacts
- Anti-rotation design
- Waterproof rated to IP67

Mini 7/8" Cable

The double-ended cordsets are used for trunk lines. The connectors are keyed for error-free connection and they are waterproof for continued operation even while submerged in the water.
- Rugged, IP68 rated connectors for continued connection integrity in marine environments
- Various cable lengths to match installation requirements

Micro M12 T-Connetor

A Tee is used to tap into the trunk line for adding a drop connection. T-Connectors are used to connect a NMEA 2000 device to the NMEA 2000 backbone; it is an adaptor or splitter between the Trunk line and Drop line. The T-Connector splits wires into 2 separate connectors, allowing installation of two single-channel input or output devices to each port of hardwired distribution box. Connectors are available with parallel circuits, which allow input or output signals to run or trigger devices simultaneously.

Field-Attachable Connectors

Field-attachable connectors allow you to make field connections to bulk cable (see diagram). The connectors are keyed for error-free connection of field installation.
- Rugged housing material designed to withstand harsh marine environments
- Useful in tight spaces or where sharp corners need to be made
- Waterproof rated to IP67

Mini 7/8" Bulkhead

The Mini Bulkhead is installed on the devices enclosure panel as the trunk cables receptacle.
- Brass with nickel plated screw
- Rugged housing material designed to withstand harsh marine environments
- Lead wires or PCB soldering contacts
- Anti-rotation design
- Waterproof rated to IP67

Micro Power Tap

A Powertap Tee is connected to a network backbone just like any Tee but rather than connecting a device their purpose is to provide “BUS” power. Cableforce Powertap Tee uniquely provides two power inputs permitting doubled power provision for devices.

Termination Resistors

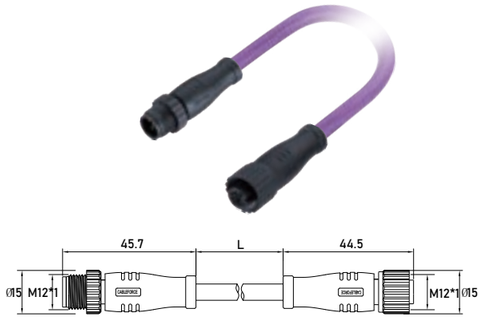
Two termination resistors are required on every NMEA 2000 network, one on each end of the trunk line. Normally, a male termination is used since male pins tend to point back to the power source. In cases where the gender is reversed, a female terminator may be required. The inline terminator is used where the network is terminated at a product, for example a GPS or weather station at the top of a mast.
- Screw terminal connector for positive connections
- Termination resistors are used to terminate both ends of the trunk line

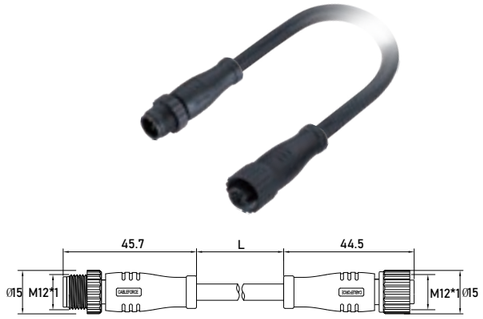
Micro Bulk Cable

Micro bulk cable is primarily used as drop cable, but it can also be used at the trunk line depending on network power requirements. Bulk cable with field-attachable connectors allows for maximum flexibility as cables can be made on the job to exact lengths.
- Meets and exceeds NMEA 2000 specifications for the highest reliability
- Trunk or drop cable for use with Micro connectors
- Used with field-attachable connectors to build exact length cables at the job site.

NMEA 2000 drop cable

NMEA 2000 Micro, male to female, double ended, molded cable

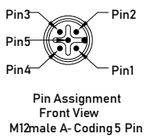




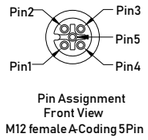
Connector Technical data				
Contacts No.	Male	Violet Cable	Black Cable	Female
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	60V			
Impulse voltage	1500V			
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm			
Termination	Soldering			
Cable specification	0.34mm² + 0.25 mm² (AWG 22 + AWG 24)			
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Characteristic impedance	120Ω ±15			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	PA66+GF			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP67, IP68			
Pollution degree	3			

Ordering No.					
Poles	Cable length	Violet Cable		Black Cable	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
5Pin (4P+PE)	0.3 m	MC05C3LSAP24CV03-DVN	MC05C3LSAP24RV03-DVN	MC05C3LSAP24CK03-DVN	MC05C3LSAP24RK03-DVN
	1.0 m	MC05C3LSAP24CV10-DVN	MC05C3LSAP24RV10-DVN	MC05C3LSAP24CK10-DVN	MC05C3LSAP24RK10-DVN
	1.8 m	MC05C3LSAP24CV18-DVN	MC05C3LSAP24RV18-DVN	MC05C3LSAP24CK18-DVN	MC05C3LSAP24RK18-DVN
	2.0 m	MC05C3LSAP24CV20-DVN	MC05C3LSAP24RV20-DVN	MC05C3LSAP24CK20-DVN	MC05C3LSAP24RK20-DVN
	3.0 m	MC05C3LSAP24CV30-DVN	MC05C3LSAP24RV30-DVN	MC05C3LSAP24CK30-DVN	MC05C3LSAP24RK30-DVN
	6.0 m	MC05C3LSAP24CV60-DVN	MC05C3LSAP24RV60-DVN	MC05C3LSAP24CK60-DVN	MC05C3LSAP24RK60-DVN

Wiring Diagram



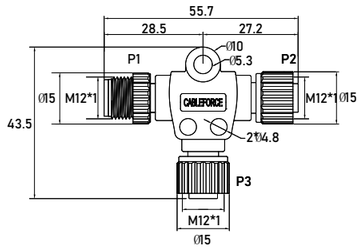
Pin Assignment
Front View
M12male A- Coding 5 Pin



Pin Assignment
Front View
M12 female A-Coding 5Pin

NMEA 2000 Micro Connector

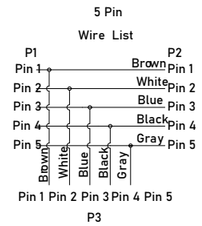
NMEA 2000 Micro, T-Connector, Male to Female x 2



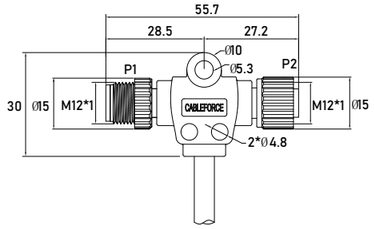
Connector Technical data			
Contacts No.	P1 (5Pin Male)	P2 (5Pin Female)	P3 (5Pin Female)
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	4A		
Rated voltage	60V		
Impulse voltage	1500V		
Locking system	M12 x 1.0 screw		
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm		
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Connector body	TPU		
Contact carrier	TPU + GF		
Screw nut	Nylon plastic		
Contact	Brass ; Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP67, IP68		
Pollution degree	3		

Ordering No.	
Poles	Male to Female x 2
5 Pin	MC05T-MFFAP

Wiring Diagram



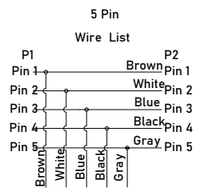
NMEA 2000 Micro, Power-Tap, Male to Female, Molded Cable



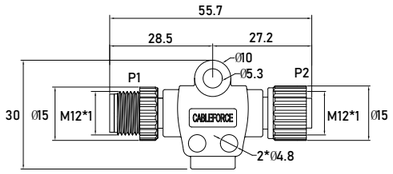
Connector Technical data		
Contacts No.	P1 (5Pin Male)	P2 (5Pin Female)
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Connector body	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass ; Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

Ordering No.	
Poles	Male to Female
5 Pin	MC05T6-CMFAP

Wiring Diagram



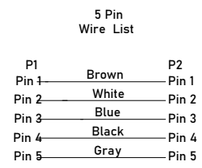
NMEA 2000 Micro, Terminator, Male to Female, Molded 120 Ohm Resistor



Connector Technical data		
Contacts No.	P1 (5Pin Male)	P2 (5Pin Female)
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm	
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Resistor	120Ω±1%, 0.6W	
Connector body	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated / PA66 + GF	
Contact	Brass ; Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/ Silicon O-Ring	
Protection degree	IP67, IP68	
Pollution degree	3	

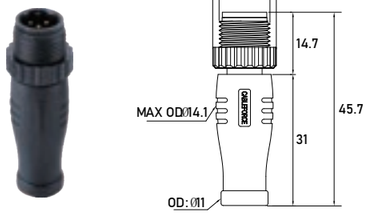
Ordering No.	
Poles	Male to Female
5 Pin	MC05TLAP

Wiring Diagram

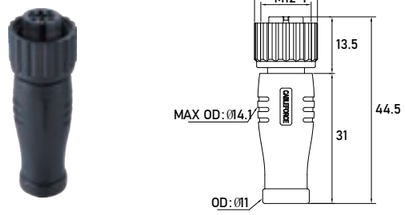


NMEA 2000 Micro, Terminator Connector, Male (Female), Plastic Screws, with 120Ω Resistor.

Male



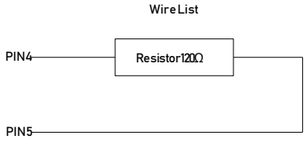
Female



Connector Technical data	
Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm
Termination	Soldering
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Resistor	120Ω±1%, 0.6W
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	PA66 + GF
Contact	Brass/ ; Phosphor bronze/
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

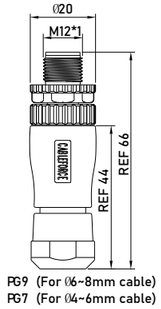
Ordering No.		
Poles	Male	Female
5 Pin	MC05T1LSAP	MC05T2LSAP

Wiring Diagram



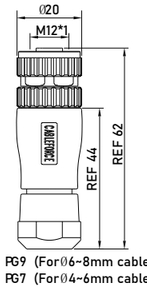
NMEA 2000 Micro, Male/ Female, Field Wireable Connector, Plastic screw

Male

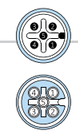


PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)

Female

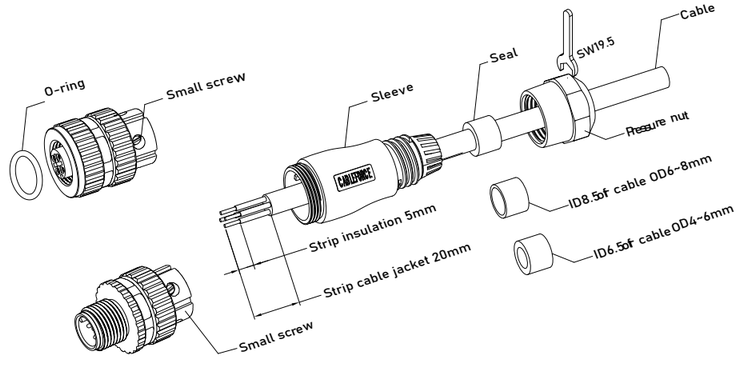


PG9 (For Ø6~8mm cable)
PG7 (For Ø4~6mm cable)

Connector Technical data	
Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm, Wire screw : 0.2Nm,
Termination	Screw fixing
Wire gauge	0.34mm² (AWG 22)
Cable outlet	PG7 (4~6mm), PG9 (6~8mm)
Rated temperature	–25 °C ... +90 °C, – 40 °C ... +125 °C
Insulation resistance	≥100MΩ
Contact resistance	≤ 5mΩ
Connector body	PA66 + GF
Contact carrier	PA66 + GF
Screw nut	PA66 + GF
Contact	Male: Brass: ; Female: Phosphor bronze:
Contacts plating	Au (Gold)
O-ring	FKM/ NBR
Protection degree	IP67, IP68
Pollution degree	3

Ordering No.				
Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
5 Pin	MC05A1LWAP-P7	MC05A1LWAP-P9	MC05A2LWAP-P7	MC05A2LWAP-P9

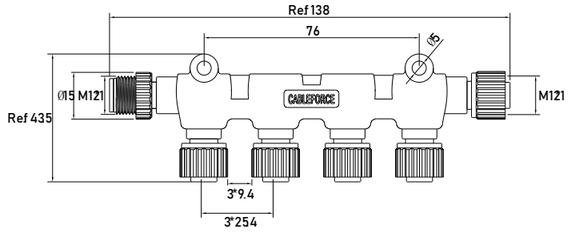
Assembly Instruction



NMEA 2000 Micro Connector

LAPP

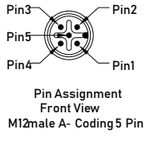
NMEA 2000 Micro, 5Pin 4 Way T-Connector, Plastic



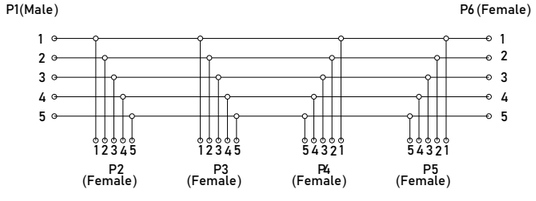
Connector Technical data	
Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm
Rated temperature	Flexible –25 °C ... +80 °C, Static – 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Connector body	TPU
Contact carrier	TPU + GF
Screw nut	PA66 + GF
Contact	Brass ; Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM/ Silicon O-Ring
Protection degree	IP67, IP68
Pollution degree	3

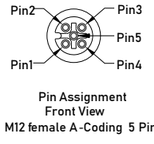
Ordering No.	
Poles	Un-Shielded
5 Pin	MC05T5-AP

Wiring Diagram



Pin Assignment
Front View
M12male A- Coding 5 Pin



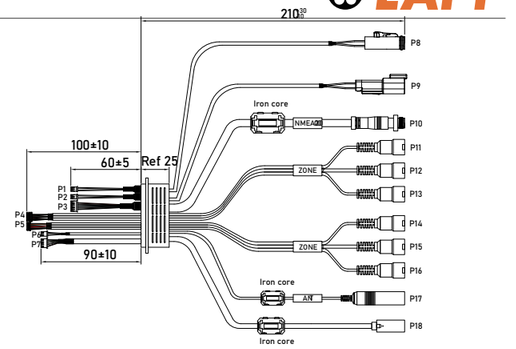


Pin Assignment
Front View
M12 female A-Coding 5 Pin

NMEA 2000 AV Cable

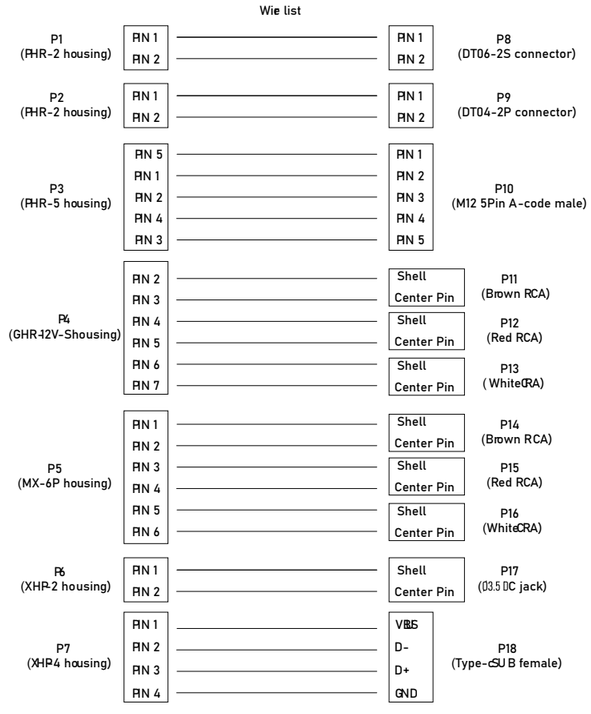
LAPP

N2K Audio Video Cable Harness



Connector Technical data	
Rated current	RCA connector 1.5A, USB connector 1.5A, M12 connector 3A, DT06-2S connector 3A, DC connector 3A
Rated voltage	30V
Impulse voltage	500V
Locking system	M12 x 1.0mm screw (M12 connector)
Tightening torque	Recommended: 0.6 Nm, Max: 1.0 Nm
Termination	Soldering
Rated termperature	Flexible : -25 ~ 80 ; Static: -40 ~ 80
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Contacts carrier	PA66 + GF
Screw nut	PA66 + GF
Contacts	Brass ()
Contacts plating	Au (Gold)
O-Ring	FKM/ Silicon
Protection degree	IP67, IP68, IP69K (M12 connector)
Pollution degree	3

Wiring Diagram



M8/M12 Junction Boxes

Waterproof Connectors, Highly Tailor-made Cable Solution. !
www.cableforce.cn

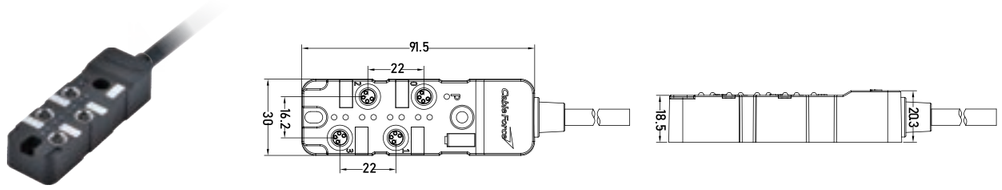
The junction boxes provide more extension possibilities to industrial field control systems. Our M8/M12 series junction boxes are available in 4, 8, 10 and 12 ports with either 4 or 5 poles per port. The master input can be configured with either Teminal blocks, 7/8", M23 connectors, or a pre-molded cable to the junction box.

M8/M12

Junction Boxes

- IP 67 rated protection degree.
- 4, 8, 10, 12 ports of M8/M12 available
- Master input by Teminal blocks, 7/8", M23 connectors, or a pre-molded cable
- LED display for easy power and signal status indication.
- Offer customized cable solution.
- Robust structure design especially for tough surroundings

M8-4 port dual channel pre-cast, PNP/ NPN, with cable

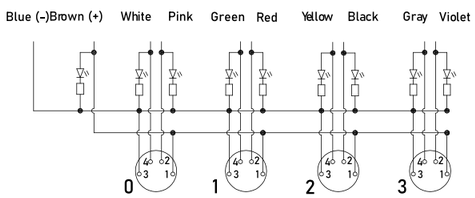


Connector Technical data	
Contacts No.	M8 A-Code 4 Pin (Female)
Front View	
Connection ports	4 ports
Signal pathway	Dual
Digital inputs	PNP / NPN
Operating current per contact	Max. 3A
Total current	6A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M8 x 1.0mm screw
Tightening torque	Recommended: 0.2 Nm Max: 0.4 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, black
Housing material	PA66+GF, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Conductor material	Stranded Bare Copper
Conductor cross-section	10Cx0.25mm²
Sheath/ insulation material	PUR / PVC
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

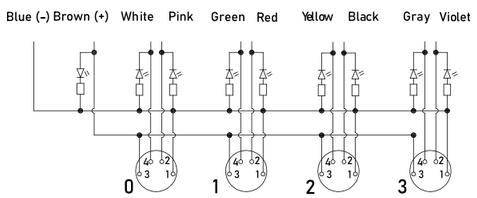
Ordering No.

Poles	Cable length	PNP		NPN	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1 m	EPIC MB04-4W2P-24CK10	EPIC MB04-4W2P-24RK10	EPIC MB04-4W2N-24CK10	EPIC MB04-4W2N-24RK10
		7433507332	7433507336	7433507340	7433507344
	2 m	EPIC MB04-4W2P-24CK20	EPIC MB04-4W2P-24RK20	EPIC MB04-4W2N-24CK20	EPIC MB04-4W2N-24RK20
		7433507333	7433507337	7433507341	7433507345
	3 m	EPIC MB04-4W2P-24CK30	EPIC MB04-4W2P-24RK30	EPIC MB04-4W2N-24CK30	EPIC MB04-4W2N-24RK30
		7433507334	7433507338	7433507342	7433507346
	5 m	EPIC MB04-4W2P-24CK40	EPIC MB04-4W2P-24RK40	EPIC MB04-4W2N-24CK40	EPIC MB04-4W2N-24RK40
		7433507335	7433507339	7433507343	7433507347

Cable's Color Coding and Wiring

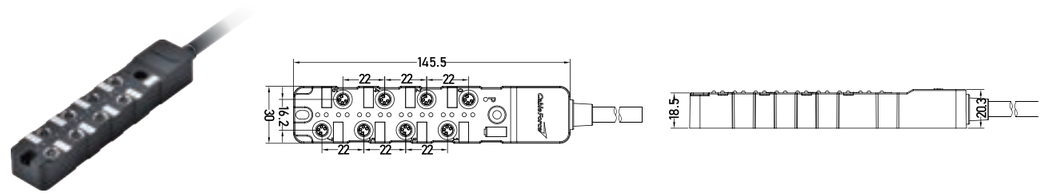


PNP wiring



NPN wiring

M8-8 Port Dual Channel Pre-cast, PNP/ NPN, With Cable



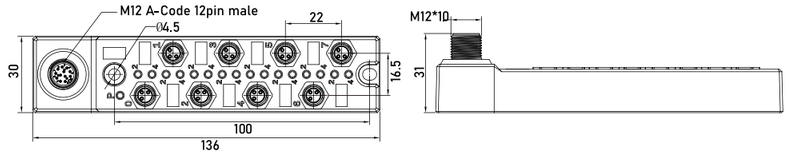
Connector Technical data	
Contacts No.	M8 A-Code 4 Pin (Female)
Front View	
Connection ports	8 ports
Signal pathway	Dual
Digital inputs	PNP / NPN
Operating current per contact	Max.3A
Total current	6A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M8 x 1.0mm screw
Tightening torque	Recommended: 0.2 Nm Max: 0.4 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, black
Housing material	PA66+GF, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Conductor material	Stranded Bare Copper
Conductor cross-section	18Cx0.25mm²
Sheath/ insulation material	PUR / PVC
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

Ordering No.

Poles	Cable length	PNP		NPN	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8 Pin	1 m	EPIC MB04-8W2P-24CK10	EPIC MB04-8W2P-24RK10	EPIC MB04-8W2N-24CK10	EPIC MB04-8W2N-24RK10
		7433507348	7433507352	7433507356	7433507360
	2 m	EPIC MB04-8W2P-24CK20	EPIC MB04-8W2P-24RK20	EPIC MB04-8W2N-24CK20	EPIC MB04-8W2N-24RK20
		7433507349	7433507353	7433507357	7433507361
	3 m	EPIC MB04-8W2P-24CK30	EPIC MB04-8W2P-24RK30	EPIC MB04-8W2N-24CK30	EPIC MB04-8W2N-24RK30
		7433507350	7433507354	7433507358	7433507362
	5 m	EPIC MB04-8W2P-24CK40	EPIC MB04-8W2P-24RK40	EPIC MB04-8W2N-24CK40	EPIC MB04-8W2N-24RK40
		7433507351	7433507355	7433507359	7433507363

Cable's Color Coding and Wiring

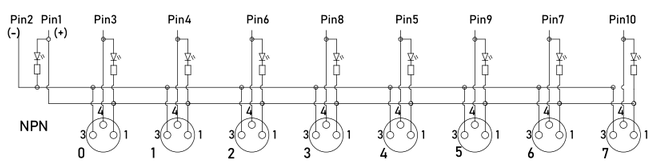
M8 -8 Port single channel Pre-cast, PNP/NPN, with M12 Connector

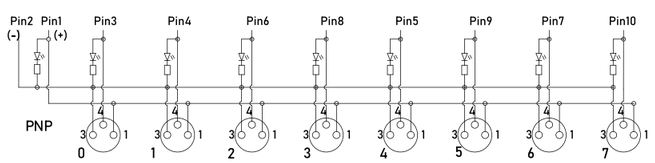


Connector Technical data		
Contacts No.	M8 A-Code 3 Pin (Female)	M12 A-Code 12 Pin (Male)
Front View		
Connector pathway	8-way distributor	
Signal pathway	Single	
Digital inputs	PNP / NPN	
Operating current per contact	1A	
Rated voltage	10~30VDC	
Impulse voltage	500V	
Contact resistance	≤5mΩ	
Insulation resistance	≥100MΩ	
EMC Shielding	Non-Shielded	
Locking system	M8*1.0 screw , M12*1.0 screw	
Tightening torque	M8: Recommended: 0.2 Nm Max : 0.4 Nm ; M12: Recommended: 0.4	
Male contact	Brass	
Female contact	Phosphor bronze	
Contact plating	Au (Gold)	
Insert	TPU, Blue	
Housing material	PC, Black	
Screw nut	PA66+GF, Black	
O-ring	FKM	
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80	
Protection degree	IP67	
Environmental Compliance	ROHS	
Pollution degree	3	

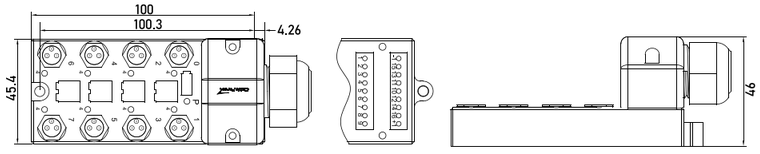
Ordering No.				
Poles	PNP		NPN	
3 Pin	EPIC MB03-8W1P-M12	7433507364	EPIC MB03-8W1N-M12	7433507365

Cable's Color Coding and Wiring





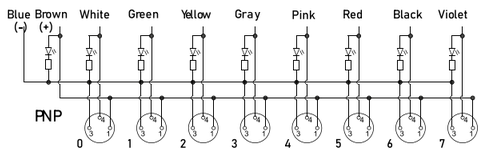
M8-8 Port Dual Channel Pre-cast, PNP/NPN, PCB

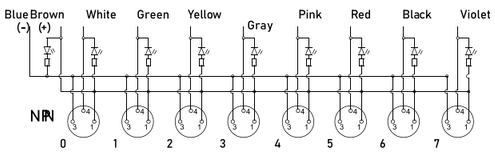


Connector Technical data	
Contacts No.	M8 A-Code 3 Pin (Female)
Front View	
Connection ports	8 ports
Signal pathway	Single
Digital inputs	PNP / NPN
Operating current per contact	Max. 3A
Total current	6A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M8 x 1.0mm screw
Tightening torque	Recommended: 0.2 Nm Max : 0.4 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, Blue
Housing material	PC, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Termination	Terminal block
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

Ordering No.		
Poles	PNP	NPN
3 Pin	EPIC MB03-8W1P-PCB 7433507366	EPIC MB03-8W1N-PCB 7433507367

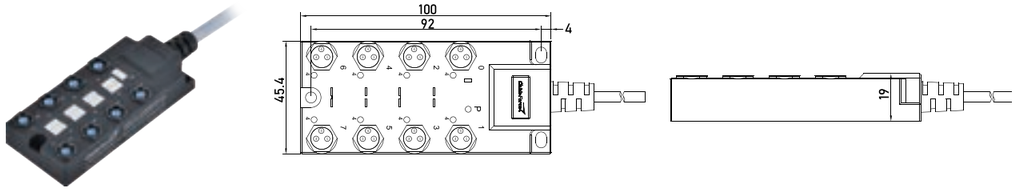
Cable's Color Coding and Wiring





Blue	White/Gray	White/Yellow	White/ Green	Red/Blue	Brown/Green	Yellow/Brown	Gray/Brown	Brown
- 1	15	13	11	10	12	14	16	+ 1
White	Green	Yellow	Gray	Pink	Red	Black	Violet	Gray/Pink
1	2	3	4	5	6	7	8	9

M8-8 Port Dual Channel Pre-cast, PNP/NPN, With Cabl

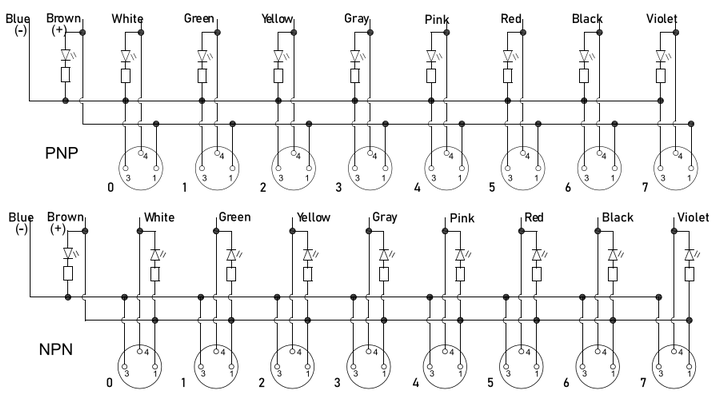


Connector Technical data	
Contacts No.	M8 A-Code 3 Pin (Female)
Front View	
Connection ports	8 ports
Signal pathway	Single
Digital inputs	PNP / NPN
Operating current per contact	Max. 3A
Total current	6A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M8 x 1.0mm screw
Tightening torque	Recommended: 0.2 Nm Max : 0.4 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, Blue
Housing material	PC, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Conductor material	Stranded Bare Copper
Conductor cross-section	10Cx0.25mm²
Sheath/ insulation material	PUR, gray (灰色PUR)
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

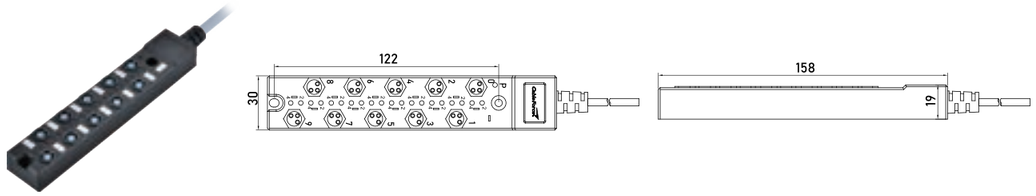
Ordering No.

Poles	Cable length	PNP	NPN
3 Pin	1 m	EPIC MB03-8W1P-22RGY10	EPIC MB03-8W1N-22RGY10
		7433507368	7433507372
	2 m	EPIC MB03-8W1P-22RGY20	EPIC MB03-8W1N-22RGY20
		7433507369	7433507373
	3 m	EPIC MB03-8W1P-22RGY30	EPIC MB03-8W1N-22RGY30
		7433507370	7433507374
	5 m	EPIC MB03-8W1P-22RGY50	EPIC MB03-8W1N-22RGY50
		7433507371	7433507375

Cable's Color Coding and Wiring



M8-10 Port Dual Channel Pre-cast, PNP/NPN, With Cabl

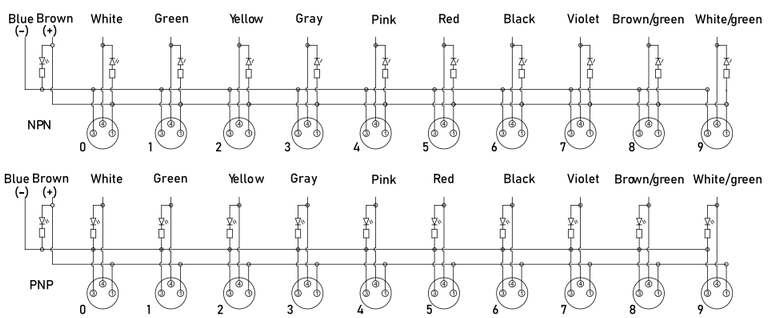


Connector Technical data	
Contacts No.	M8 A-Code 3 Pin (Female)
Front View	
Connection ports	10 ports
Signal pathway	Single
Digital inputs	PNP / NPN
Operating current per contact	Max. 3A
Total current	6A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M8 x 1.0mm screw
Tightening torque	Recommended: 0.2 Nm Max : 0.4 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, Blue
Housing material	PC, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Conductor material	Stranded Bare Copper
Conductor cross-section	10Cx0.25mm²
Sheath/ insulation material	PUR, gray (灰色PUR)
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

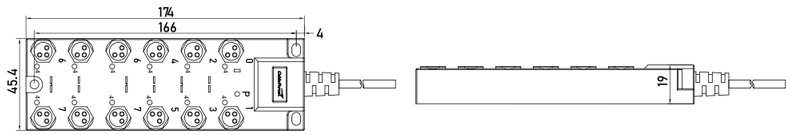
Ordering No.

Poles	Cable length	PNP	NPN
10Pin	1 m	EPIC MB03-10W1P-22RGY10	EPIC MB03-10W1N-22RGY10
		7433507376	7433507380
	2 m	EPIC MB03-10W1P-22RGY20	EPIC MB03-10W1N-22RGY20
		7433507377	7433507381
	3 m	EPIC MB03-10W1P-22RGY30	EPIC MB03-10W1N-22RGY30
		7433507378	7433507382
	5 m	EPIC MB03-10W1P-22RGY50	EPIC MB03-10W1N-22RGY50
		7433507379	7433507383

Cable's Color Coding and Wiring



NMEA 2000 Micro, male to female, double ended, molded cable

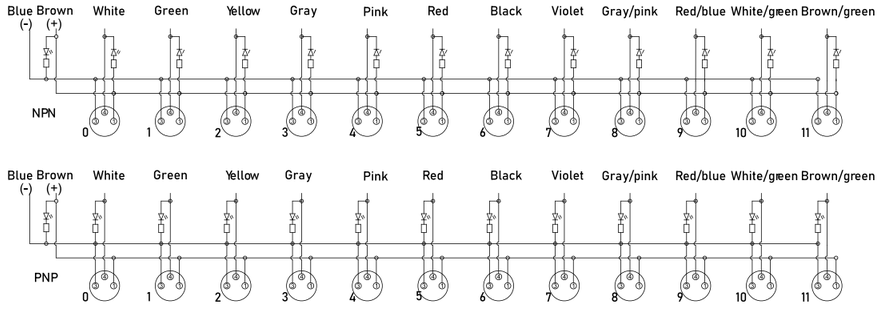


Connector Technical data	
Contacts No.	M8 A-Code 3 Pin (Female)
Front View	
Connection ports	12 ports
Signal pathway	Single
Digital inputs	PNP / NPN
Operating current per contact	Max. 3A
Total current	6A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M8 x 1.0mm screw
Tightening torque	Recommended: 0.2 Nm Max : 0.4 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, Blue
Housing material	PC, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Conductor material	Stranded Bare Copper
Conductor cross-section	10Cx0.25mm²
Sheath/ insulation material	PUR, gray
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

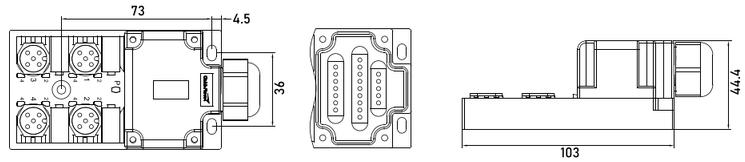
Ordering No.

Poles	Cable length	PNP	NPN
12Pin	1 m	EPIC MB03-12W1P-22RGY 10	EPIC MB03-12W1N-22RGY 10
		7433507384	7433507388
	2 m	EPIC MB03-12W1P-22RGY 20	EPIC MB03-12W1N-22RGY 20
		7433507385	7433507389
	3 m	EPIC MB03-12W1P-22RGY 30	EPIC MB03-12W1N-22RGY 30
		7433507386	7433507390
	5 m	EPIC MB03-12W1P-22RGY 50	EPIC MB03-12W1N-22RGY 50
		7433507387	7433507391

Cable's Color Coding and Wiring



NMEA 2000 Micro, T-Connector, Male to Female x 2

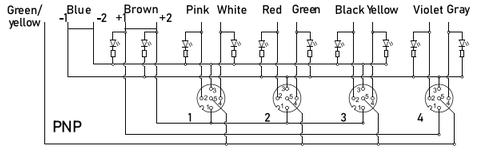


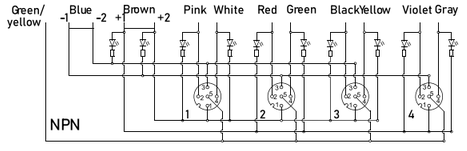
Connector Technical data	
Contacts No.	M12 A-Code 5 Pin (Female)
Front View	
Connection ports	4 ports
Signal pathway	Dual
Digital inputs	PNP / NPN
Operating current per contact	Max. 4A
Total current	8A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended: 0.4 Nm Max : 0.8 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, Blue
Housing material	PC, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Termination	Terminal block
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

Ordering No.

Poles	PNP	NPN
5 Pin	EPIC MC05-4W2P-PCB	EPIC MC05-4W2N-PCB
	7433507392	7433507393

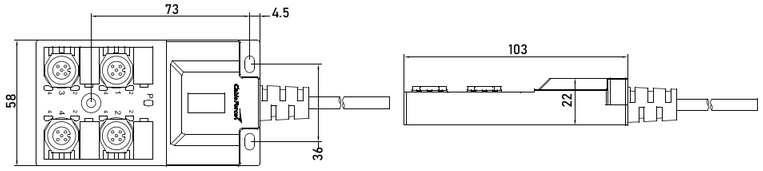
Cable's Color Coding and Wiring





Blue	Brown	White	Yellow	Green/yellow	Gray	Green	Brown	Blue	Gray/Pink	White/Green
-1	+1	1	3	PE	4	2	+2	-2	9	11
White/Yellow	Brown/Gray	Brown/Yellow	Brown/Green	Red/Blue	Pink	Black	White/Gray	Violet	Red	
13	16	14	12	10	5	7	15	8	6	

M12-4 Port Dual Channel Pre-cast, PNP/ NPN, With Cable

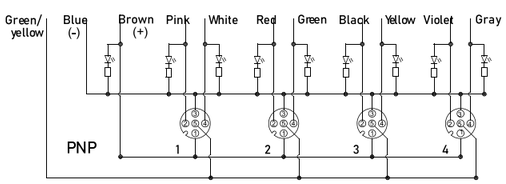


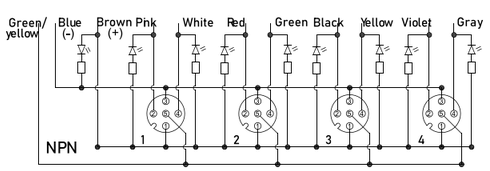
Connector Technical data	
Contacts No.	M12 A-Code 5 Pin (Female)
Front View	
Connection ports	4 ports
Signal pathway	Dual
Digital inputs	PNP / NPN
Operating current per contact	Max. 4A
Total current	8A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended: 0.4 Nm Max : 0.8 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, Blue
Housing material	PC, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Conductor material	Stranded Bare Copper
Conductor cross-section	3Cx0.75mm² + 8Cx0.34mm²
Sheath/ insulation material	PUR, gray (灰色PUR)
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

Ordering No.

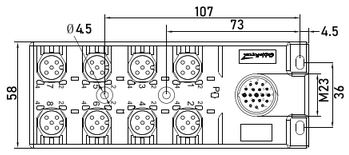
Poles	Cable length	PNP	NPN
5 Pin	1 m	EPIC MC05-4W2P-22RGY10	EPIC MC05-4W2N-22RGY10
		7433507394	7433507398
	2 m	EPIC MC05-4W2P-22RGY20	EPIC MC05-4W2N-22RGY20
		7433507395	7433507399
	3 m	EPIC MC05-4W2P-22RGY30	EPIC MC05-4W2N-22RGY30
		7433507396	7433507400
	5 m	EPIC MC05-4W2P-22RGY50	EPIC MC05-4W2N-22RGY50
		7433507397	7433507401

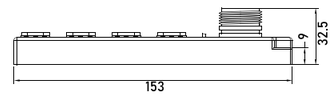
Cable's Color Coding and Wiring





M12-8 Port Dual Channel Pre-cast, PNP/ NPN, With M23 Connector



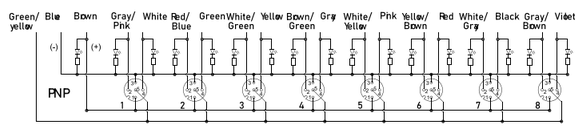


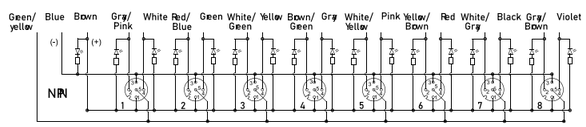
Connector Technical data		
Contacts No.	M12 A-Code 5 Pin (Female)	M23 A-Code 19 Pin (Male)
Front View		
Connection ports	8 ports	
Signal pathway	Dual	
Digital inputs	PNP / NPN	
Operating current per contact	Max. 4A	
Total current	8A	
Rated voltage	18~30V DC	
Impulse voltage	500V	
Contact resistance	≤5mΩ	
Insulation resistance	≥100MΩ	
EMC Shielding	Non-Shielded	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended: 0.4 Nm Max : 0.8 Nm	
Male contact	Non	
Female contact	Phosphor bronze	
Contact plating	Au (Gold)	
Insert	TPU, Blue	
Housing material	PC, Black	
Screw nut	PA66+GF, Black	
O-ring	FKM	
Termination	M23 Connector	
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80	
Protection degree	IP67	
Environmental Compliance	ROHS	
Pollution degree	3	

Ordering No.

Poles	PNP	NPN
5 Pin	EPIC MC05-8W2P-M23	EPIC MC05-8W2N-M23
	7433507402	7433507403

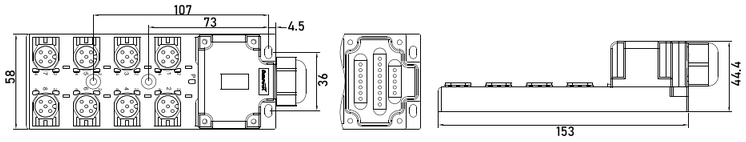
Cable's Color Coding and Wiring





Blue	Brown	White	Yellow	Green/Yellow	Gray	Green	Gray/Pink	White/Green	White/Yellow
6	19	15	16	12	3	5	7	8	9
Brown/Gray	Brown/Yellow	Brown/Green	Red/Blue	Pink	Black	White/Gray	Violet	Red	
18	13	14	4	17	11	15	1	2	

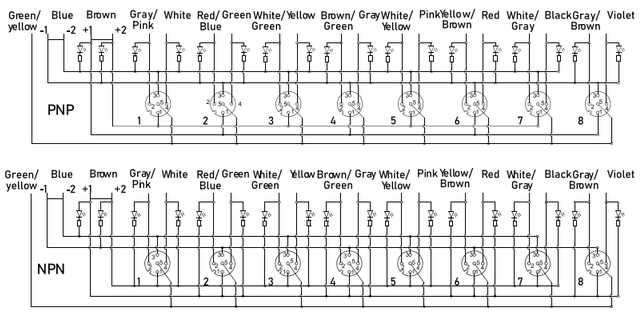
M12-8 Port Dual Channel Pre-cast, PNP/ NPN, PCB



Connector Technical data	
Contacts No.	M12 A-Code 5 Pin (Female)
Front View	
Connection ports	8 ports
Signal pathway	Dual
Digital inputs	PNP / NPN
Operating current per contact	Max. 4A
Total current	8A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended： 0.4 Nm Max： 0.8 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, Blue
Housing material	PC, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Termination	Terminal block
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

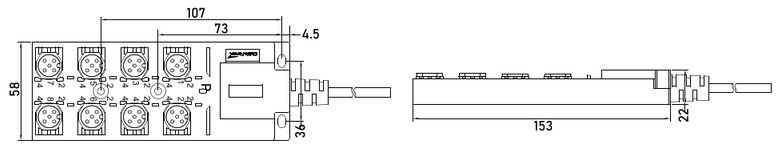
Ordering No.		
Poles	PNP	NPN
5 Pin	EPIC MC05-8W2P-PCB	EPIC MC05-8W2N-PCB
	7433507404	7433507405

Cable's Color Coding and Wiring



Blue	Brown	White	Yellow	Green/yellow	Gray	Green	Brown	Blue	Gray/Pink	White/Green
-1	+1	1	3	PE	4	2	+2	-2	9	11
White/Yellow	Brown/Gray	Brown/Yellow	Brown/Green	Red/Blue	Pink	Black	White/Gray	Violet	Red	
13	16	14	12	10	5	7	15	8	6	

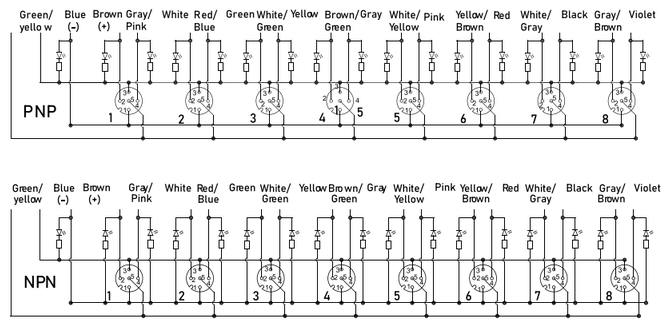
M12-8 Port Dual Channel Pre-cast, PNP/ NPN, With Cable



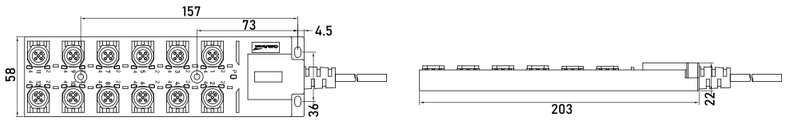
Connector Technical data	
Contacts No.	M12 5 Pin (Female)
Front View	
Connection ports	8 ports
Signal pathway	Dual
Digital inputs	PNP / NPN
Operating current per contact	Max. 4A
Total current	8A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended： 0.4 Nm Max： 0.8 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, Blue
Housing material	PC, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Conductor material	Stranded Bare Copper
Conductor cross-section	3Cx0.75mm² + 16Cx0.34mm²
Sheath/ insulation material	PUR, gray (灰色PUR)
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

Ordering No.			
Poles	Cable length	PNP	NPN
5 Pin	1 m	EPIC MC05-8W2P-22RGY10	EPIC MC05-8W2N-22RGY10
		7433507405	7433507409
	2 m	EPIC MC05-8W2P-22RGY20	EPIC MC05-8W2N-22RGY20
		7433507406	7433507410
	3 m	EPIC MC05-8W2P-22RGY30	EPIC MC05-8W2N-22RGY30
		7433507407	7433507411
	5 m	EPIC MC05-8W2P-22RGY50	EPIC MC05-8W2N-22RGY50
		7433507408	7433507412

Cable's Color Coding and Wiring



M12-10 Port Dual Channel Pre-cast, PNP/ NPN, With Cable



Connector Technical data	
Contacts No.	M12 5 Pin (Female)
Front View	
Connection ports	12 ports
Signal pathway	Dual
Digital inputs	PNP / NPN
Operating current per contact	Max. 4A
Total current	8A
Rated voltage	18~30V DC
Impulse voltage	500V
Contact resistance	≤5mΩ
Insulation resistance	≥100MΩ
EMC Shielding	Non-Shielded
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended：0.4 Nm Max：0.8 Nm
Male contact	Non
Female contact	Phosphor bronze
Contact plating	Au (Gold)
Insert	TPU, Blue
Housing material	PC, Black
Screw nut	PA66+GF, Black
O-ring	FKM
Conductor material	Stranded Bare Copper
Conductor cross-section	3Cx0.75mm² + 16Cx0.34mm²
Sheath/ insulation material	PUR, gray
Rated termperature	Static: -40 ~ 80 Flexible : -25 ~ 80
Protection degree	IP67
Environmental Compliance	ROHS
Pollution degree	3

Ordering No.			
Poles	Cable length	PNP	NPN
5 Pin	1 m	EPIC MC05-10W2P-22RGY10	EPIC MC05-10W2N-22RGY10
		7433507413	7433507417
	2 m	EPIC MC05-10W2P-22RGY20	EPIC MC05-10W2N-22RGY20
		7433507414	7433507418
	3 m	EPIC MC05-10W2P-22RGY30	EPIC MC05-10W2N-22RGY30
		7433507415	7433507419
	5 m	EPIC MC05-10W2P-22RGY50	EPIC MC05-10W2N-22RGY50
		7433507416	7433507420

Cable's Color Coding and Wiring