

2172255	DATA SHEET	
Valid from: 30.03.2021	IE-6-M12XF-S-(L*)-P-4-26-FD-OE	

Description

- Ethernet patchcords Cat.6, shielded
- For industrial ethernet and cable chain
- Straight M12-jack on free conductor end



General characteristics

Connection method, connector	M12x1-jack, x-code
Number of pins	8
Ambient temperature	-30°C to +80°C (-22°F to 176°F) (fixed installation) -30°C to +70°C (-22°F to 158°F) (flexible installation)
Degree of protection	IP 65, IP 67 (M12 –plugged and locked)
Shielding	shielded
Tightening torque	1.0 Nm (M12-connector) 2.0 Nm (M12-flange nut)

Variation

Article	Description	Length (L*) [m]
2172207	IE-6-M12XF-S-0,5-P-4-26-FD-M12X-S	0.5
2172208	IE-6-M12XF-S-1-P-4-26-FD-M12X-S	1
2172209	IE-6-M12XF-S-2-P-4-26-FD-M12X-S	2
2172210	IE-6-M12XF-S-3-P-4-26-FD-M12X-S	3
2172211	IE-6-M12XF-S-5-P-4-26-FD-M12X-S	5
2172212	IE-6-M12XF-S-7-P-4-26-FD-M12X-S	7
2172213	IE-6-M12XF-S-10-P-4-26-FD-M12X-S	10
2172214	IE-6-M12XF-S-15-P-4-26-FD-M12X-S	15
2172215	IE-6-M12XF-S-20-P-4-26-FD-M12X-S	20

Additional note

Data sheet also valid for variant lengths. Other lengths on request.

Electrical properties

Rated voltage	50 VAC / 60 VDC
Rated current at 40 °C	0.5 A
Pollution degree	3 (M12 –plugged and locked)

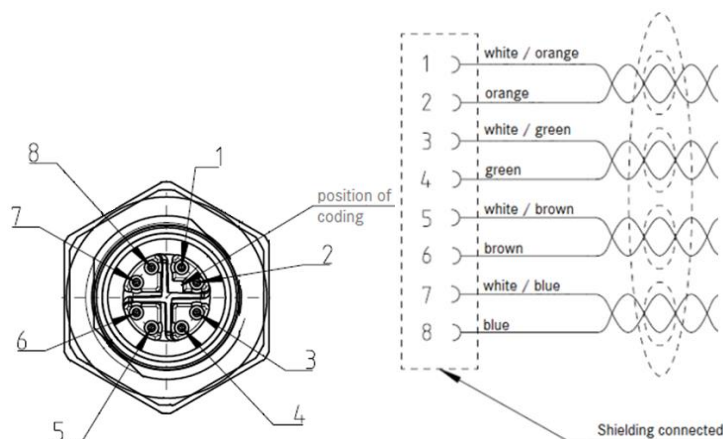
Transmission characteristics

Category (ISO)	6
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Creator: FELI1/PDP Released: IVSE1/PDP	Document: DB2172255EN Version: 01	Page 1 of 3
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Connector pin assignment



Mechanical properties

M12-jack

Inflammability class according to UL 94

Housing, material

Contact, material

Contact carrier, material

Housing, material

Handle, material

Seal outer, material

Seal inner, material

Nut, material

Line (Lapp article number: 2170488)

Cable construction

Conductor diameter including isolation

Cable outer diameter

Insulation color

Sheath color

Type of pair shielding

Shielding

Bending radius

Number of bending cycle

Traveling distance

Travel speed

Acceleration

Cable weight

Outer coating, material

Wire insulation, material

Flame resistance

Oil resistance

TPU → HB

NBR, FPM/FKM → none

Cu, nickel plated

CuNi, gold plated

TPU, green

Cu, vernickelt

TPU, black

NBR, black

FPM/FKM, red

Cu, vernickelt

4x2x AWG 26 / 19

0.98 mm

7.8 mm

white/blue, blue, white/orange, orange,

white/green, green, white/brown, brown

green, similar RAL 6018

Alufoil (overlapped)

Braid made of tinned copper wires

4 x cable outer diameter (fixed installation)

7.5 x cable outer diameter (flexible installation)

1.000.000

10 m

4 m/s

4 m/s²

63 kg/km

PUR

PP

acc. IEC 60332-1-2

acc. CSA FT1 und NEC VW-1

acc. CSA 22.2, 4 days/100 °C (212 °F)

Creator: FELI1/PDP	Document: DB2172255EN	Page 2 of 3
Released: IVSE1/PDP	Version: 01	

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Standards / Approvals

Product standard, M12-connector

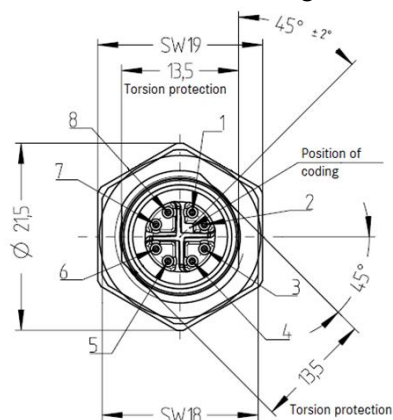
IEC 61076-2-109

Generic cabling for customer premises – General requirements

ISO/IEC 11801

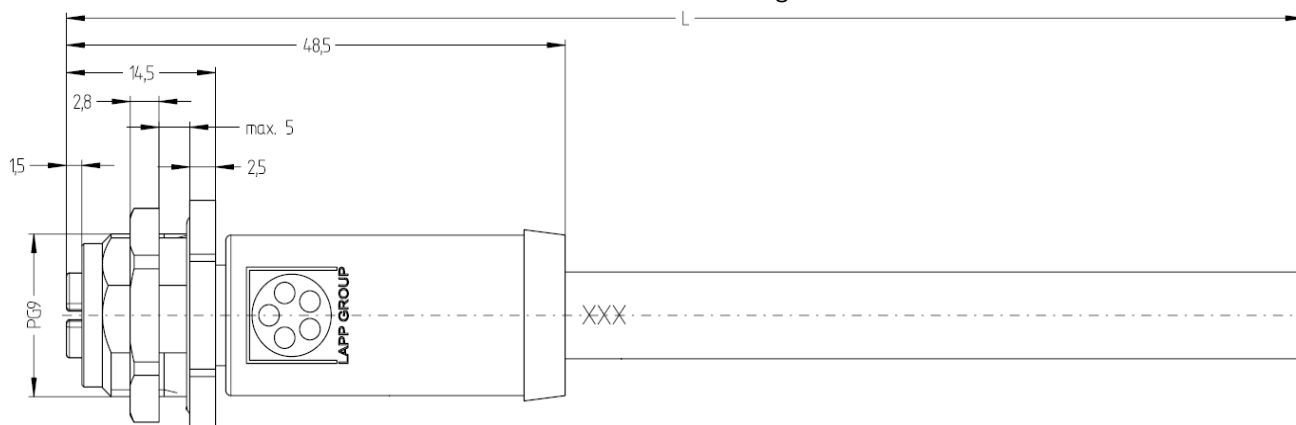
Technical drawing

Dimensional drawing



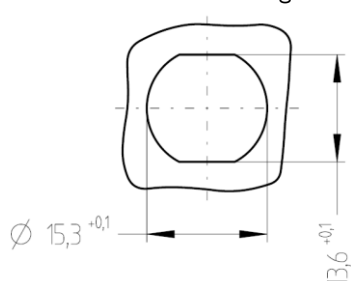
Jack M12x1

Dimensional drawing



Complete Patchcord

Dimensional drawing



Tin cut-out for torsional protection

Application range

Automation, industrial machinery and plant engineering

Note

Photographs are not true to scale and do not represent detailed images of the respective products.

Creator: FELI1/PDP Released: IVSE1/PDP	Document: DB2172255EN Version: 01	Page 3 of 3
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