

22260902	DATA SHEET	
Valid from: 28.03.2019	AB-C4-M12MS-(L*)PUR-M12FS-SH	

Description

- Sensor/actuator cable, shielded
- Straight M12-plug, A-coded and straight M12-jack, A-coded



General characteristics

Connection method, connector	M12-plug, A-coded M12-jack, A-coded
Number of pins	4
Ambient temperature	-25°C to +90°C (-13°F to +194°F)
Degree of protection	IP65, IP67 (M12, plugged and locked)
Shielding	Shielded
Tightening torque	0.4 Nm
Conformity	RoHS conform

Variation

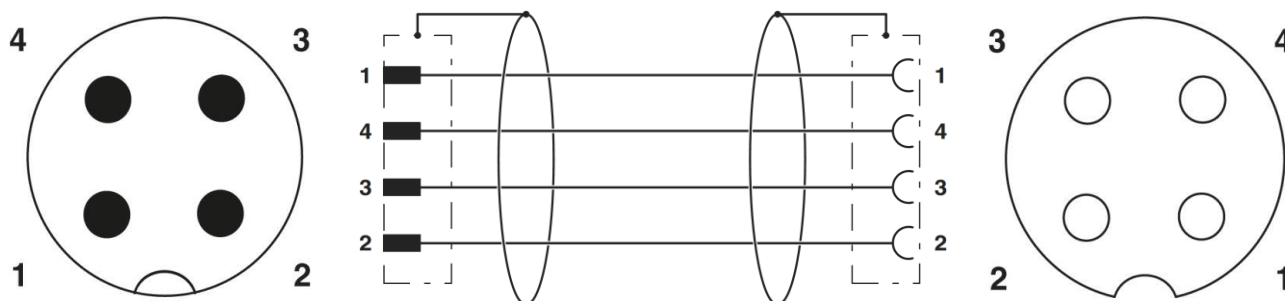
Data sheet also valid for variant lengths. Other lengths on request.

Article	Description	Length (L*) [m]
22260902	AB-C4-M12MS-2,0PUR-M12FS-SH	2,0
22260945	AB-C4-M12MS-2,5PUR-M12FS-SH	2,5
22260903	AB-C4-M12MS-5,0PUR-M12FS-SH	5,0

Electrical properties

Rated voltage (max.)	60 V DC
Rated current at 40 °C (max.)	4 A
Pollution degree	3 (M12, plugged and locked)
Overvoltage category	II

Connector pin assignment



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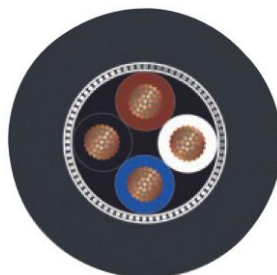
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Mechanical properties

M12

Contact carrier, material	TPU GF
Flammability class according to UL 94	HB
Contact, material	CuSn
Surface Contact, material	Ni/Au
Handle, material	TPU, hard to enflame, self-extinguishing
Seal outer, material	zinc die-cast, nickel-plated
Seal inner, material	NBR

Cable



Design

Certification	UL AWM styles 10493 and 20549 (300 V, 80 °C)
Conductor	0,34 mm ² (22 AWG/42)
Insulation	PP
	approx. 1,27 mm outer-Ø
Stranding	4 cores lengthwise stranded
Core identification code	brown, white, blue, black
Screen	braid of copper wire tinned wire coverage min. 80 %
Outer sheath	PUR compound Black-grey, RAL 7021 Outer-Ø: approx. 5.15 mm

Electrical properties at 20°C

Peak operating voltage (max.)	300 V
Test voltage (min.)	3000 V

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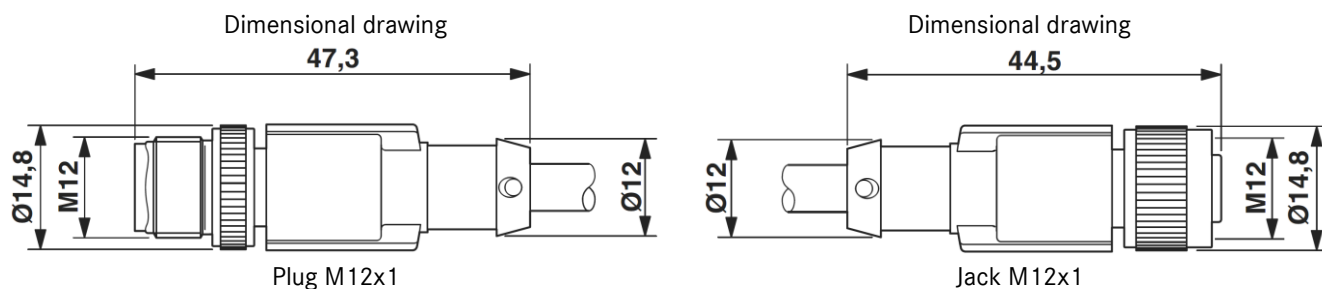
Mechanical and thermal properties

Minimum bending radius	moved: 10 x cable Ø fixed installation: 5 x cable Ø
Temperature range	moved: -25 °C to +80 °C (-13 °F to +176 °F) fixed installation: -40 °C to +80 °C (-40 °F to +176 °F)
Travel length	10 m
Travel speed	3 m/s
Acceleration	10 m/s ²
Flammability	FT2 flame test acc. to UL 758 and UL 1581 and DIN EN 60332-2-2 (20s)
Halogen free	Halogen free acc. to DIN VDE 0472-815 and DIN EN 50267-2-1
Oil resistance	oil resistant acc. to DIN EN 60811-2-1
Other resistances	resistant to hydrolysis and microbes good resistance to acids, lyes and solvents resistant to sea water limited UV resistance acc. to DIN EN ISO 4892-2-A resistant to abrasion

Standards / Approvals

Product standard, M12-connector	IEC 61076-2-101
UL/cUL listed, E-File	E249137

Technical drawing



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.

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