


22260328	DATA SHEET	
Valid from: 16.04.2019	AB-C4-M12MS-(L*)PUR-M12FS	

Product description

Sensor/actuator cable, 4-pos., PUR black, straight plug M12 on straight socket M12



Product variations

Article number	Article description	Length (L*) [m]
22260328	AB-C4-M12MS-0,3PUR-M12FS	0.3
22260329	AB-C4-M12MS-0,6PUR-M12FS	0.6
22260330	AB-C4-M12MS-1,0PUR-M12FS	1.0
22261068	AB-C4-M12MS-1,5PUR-M12FS	1.5
22260331	AB-C4-M12MS-2,0PUR-M12FS	2.0
22260952	AB-C4-M12MS-4,0PUR-M12FS	4.0
22260702	AB-C4-M12MS-5,0PUR-M12FS	5.0
22260967	AB-C4-M12MS-6,0PUR-M12FS	6.0
22260710	AB-C4-M12MS-10,0PUR-M12FS	10.0
22260966	AB-C4-M12MS-15,0PUR-M12FS	15.0

This datasheet is also valid for other length configurations. Other lengths upon request.

M12 connector


General properties

Coding	A
Protection degree	IP65/IP67/IP68
Number of contacts	4
Ambient temperature	-25 °C to +90 °C
Rated voltage	250 V
Rated current at 40°C	4 A
Insulation resistance	≥ 100 MΩ
Overvoltage category	II
Pollution degree	3
Tightening torque	0.4 Nm
Mating cycles	100

Materials

Contact carrier	TPU GF
Contact carrier, inflammability class acc. UL 94	HB
Material, contacts	CuSn
Contact surface	Ni/Au
Material, grip body	TPU
Material, knurl	zinc die-cast, nickel-plated
Material, sealing	NBR

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Cable

Signal line, construction	42 x 0.10 mm
Signal line, AWG	22
Conductor, material	stranded bare copper wire
Conductor, cross-section	4 x 0.34 mm ²
Core identification code	brown, white, blue, black
Outer diameter, core insulation	1.27 mm
Core insulation, material	PP
Outer sheath, material	PUR
Outer sheath, color	grey-black similar to RAL 7021
Outer diameter, cable	4.35 mm
Ambient temperature, fixed installation	-40 °C to +80 °C
Ambient temperature, flexible installation	-25 °C to +80 °C
Minimum bending radius, fixed installation	5 x cable diameter
Minimum bending radius, flexible installation	10 x cable diameter
Travel length	10 m
Travel speed	3 m/s
Travel acceleration	10 m/s ²
Number of bending cycles	10.000.000
Nominal voltage	≤ 300 V
Test voltage	≥ 3000 V
Flame retardance	acc. to UL 758/1581 FT2 acc. DIN EN 60332-2-2 (20s)
Halogen free	acc. to DIN VDE 0472 Part 815 acc. to DIN EN 50267-2-1
Oil resistance	acc. to DIN EN 60811-2-1
Other resistances	resistant to hydrolysis and microbes good resistant to acids, lyes and solvents limited UV resistance acc. to DIN EN ISO 4892-2-A low-adhesion abrasion-resistant

Standards/Approvals

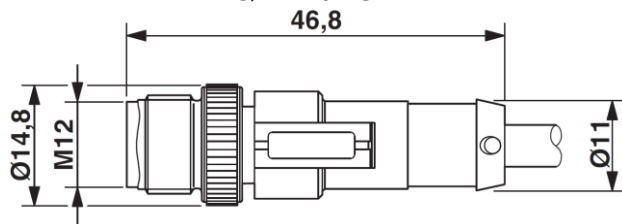
Product standard, M12 connector	IEC 61076-2-101
UL-listed, E-File	E249137

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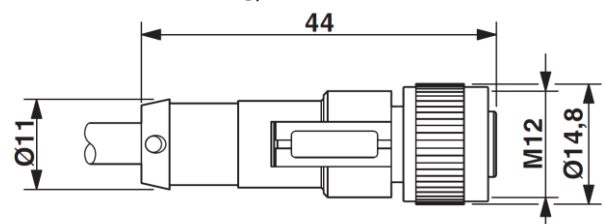
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Drawings

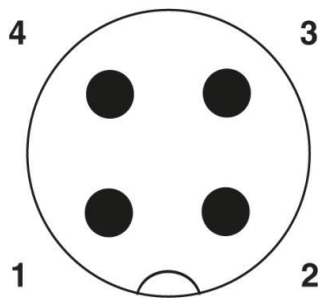
Dimensional drawing, M12 plug



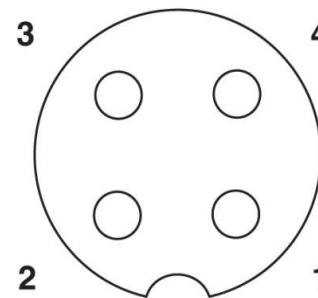
Dimensional drawing, M12 socket



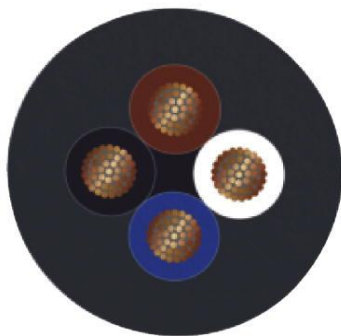
Pin assignment



Pin assignment

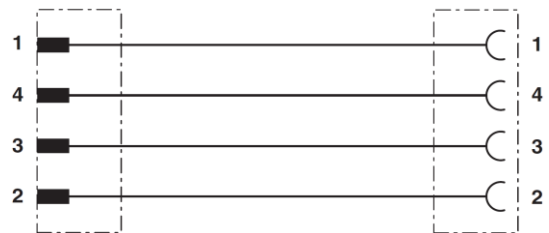


Cable



Core identification code: brown, white,
blue, black

Wiring diagram



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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