


22260781	DATA SHEET	
Valid from: 14.05.2020	AB-PC4-(L*)PUR-M12FS	

Product description

Sensor/actuator-cable, 4-pol., PUR black, straight socket M12 on free conductor end.



Product variations

Article number	Article description	Length (L*) [m]
22260781	AB-PC4-2,0PUR-M12FS	2
22260782	AB-PC4-5,0PUR-M12FS	5
22260783	AB-PC4-10,0PUR-M12FS	10

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

M12 connector


General properties

Coding	A
Protection degree	IP65/IP67
Number of contacts	4
Ambient temperature	-25 °C to +90 °C
Rated voltage	250 V
Rated current	4 A
Insulation resistance	≥ 100 MΩ
Contact resistance	≤ 5 mΩ
Overvoltage category	II
Pollution degree	3
Tightening torque	0.4 Nm
Mating cycles	≥ 100

Materials

Contact carrier	TPU GF
Contact carrier, Inflammability class in accordance with 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 0.15 mm
Signal line, AWG	18
Conductor, material	stranded of bare copper wire
Conductor, cross-section	0.75 mm ²
Number of cores	4
Core identification code	brown (1), white (2), blue (3), black (4)
Outer diameter, core insulation	1.27 mm
Core insulation, material	PVC
Outer sheath	PUR
Outer sheath, colour	grey-black similar to RAL 7021
Outer diameter, cable	5.9 mm
Ambient temperature, fixed installation	-25 °C to +80 °C
Ambient temperature, flexing	-5 °C to +80 °C
Minimum bending radius, fixed installation	5 x cable diameter
Minimum bending radius, flexing	10 x cable diameter
Travel length	5 m
Travel speed	3 m/s
Acceleration	5 m/s ²
Number of bending cycles	2.000.000
Nominal voltage	≤ 300 V
Test voltage	≥ 3000 V
Flame retardance	flame retardant acc. to UL 758/1581 (horizontal) UL 758/1581 FT2
Oil resistance	oil resistant acc. to DIN EN 60811-2-1 resistant to hydrolysis and microbes
Other resistances	resistant to sea water low-adhesion abrasion-resistant

Standards/Approvals

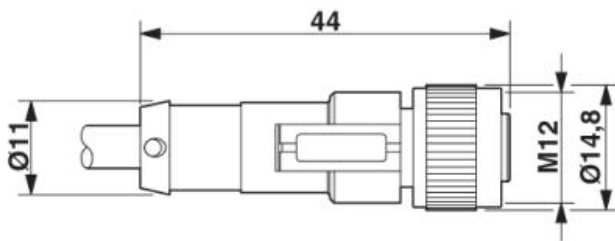
Product standard, M12 connector	IEC 61076-2-101
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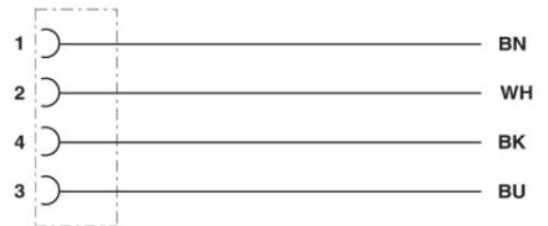
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Drawings

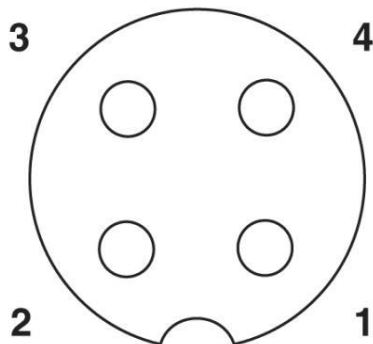
Dimensioned drawing, M12 connector



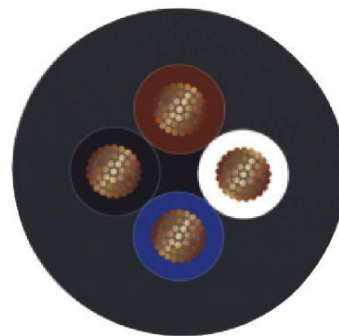
Wiring diagram



Pin assignment



Cable



Core identification code: brown (1), white (2), blue (3), black (4)

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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