


22260784	DATA SHEET	
Valid from: 14.05.2020	AB-PC4-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]
22260784	AB-PC4-M12MS-0,3PUR-M12FS	0.3
22260785	AB-PC4-M12MS-1,0PUR-M12FS	1.0
22260786	AB-PC4-M12MS-2,0PUR-M12FS	2.0
22260787	AB-PC4-M12MS-5,0PUR-M12FS	5.0
22260788	AB-PC4-M12MS-10,0PUR-M12FS	10.0

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	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

Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB22260784EN Version: 06	Page 1 of 3
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22260784	DATA SHEET	
Valid from: 14.05.2020	AB-PC4-M12MS-(L*)PUR-M12FS	


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

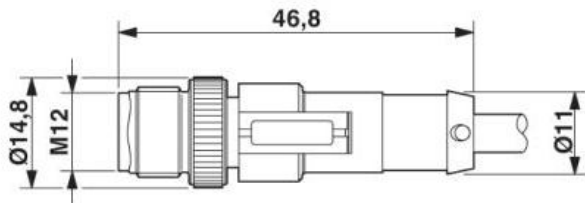
Product standard, M12 connector	IEC 61076-2-101
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Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB22260784EN Version: 06	Page 2 of 3
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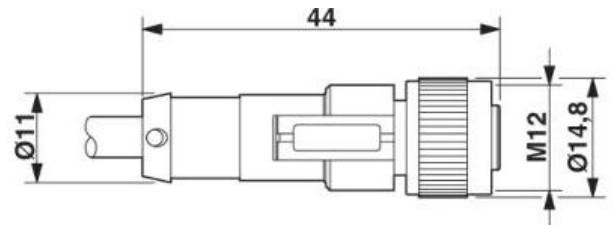
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Drawings

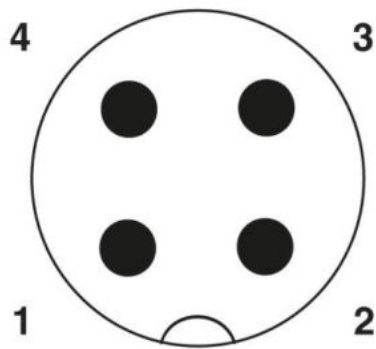
Dimensioned drawing, M12 plug



Dimensioned drawing, M12 socket

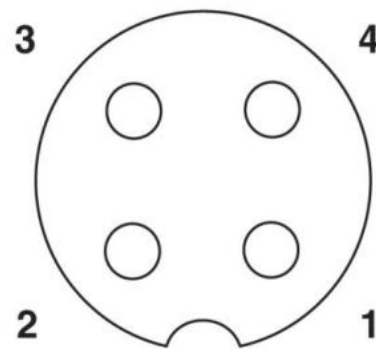


Pin assignment

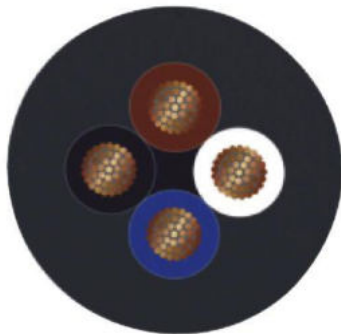


Cable

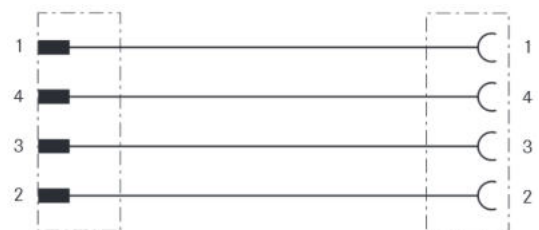
Pin assignment



Wiring diagram



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.

Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB22260784EN Version: 06	Page 3 of 3
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