

22260221	DATA SHEET	
Valid from: 17.09.2018	AB-C3-M12MS-(L*)PUR	

Description

- Sensor/actuator cable, 3-pos., PUR black
- straight plug M12 on free conductor end



General characteristics

Connection method	M12-plug, A-standard
Number of pins	3
Ambient temperature	-25 °C to +90 °C (-13 °F to +174 °F) (connector) -40 to +80 °C (-40 °F to 176 °F) (cable fixed installation) -20 to +80 °C (-4 °F to 176 °F) (cable flexible)
Degree of protection	IP65/IP67/IP68
Cut-off length of the free cable end	50 mm
Tightening torque	0.4 Nm

Product variations

Article number	Article description	Length (L*) [m]
22260221	AB-C3-M12MS-2,0PUR	2
22260222	AB-C3-M12MS-5,0PUR	5
22260249	AB-C3-M12MS-10,0PUR	10

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

Electrical properties

Rated voltage	250 V
Rated current	4 A
Overvoltage category	II
Pollution degree	3

Mechanical properties

Plug

Inflammability class in accordance with UL 94	HB
Material, Contact carrier	TPU GF
Material, Contact	CuSn
Contact surface	Ni/Au
Material, Handle	TPU, flame retardant, self-extinguishing
Material, Knurl	zinc diecasting, nickel-plated
Material, Sealing	NBR

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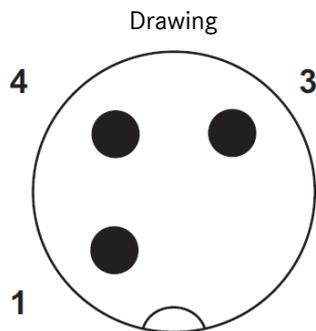
Line

Cable construction	3xAWG22/42
Conductor diameter including isolation	1.27 mm ± 0.02mm
Cable outer diameter	4.4 mm ± 0.15mm
Core identification	brown, blue, black
Sheath color	grey-black, similar to RAL 7021
Bending radius	44 mm
Number of bending cycles	4.000.000
Travel length	10 m
Travel speed	3 m/s
Cable weight	26 kg / km
Outer coating, material	PUR
Material wire insulation	PP
Flame resistance	acc. UL-style 20549
Halogen-free	acc. to DIN VDE 0472 Teil 815
Oil resistance	acc. to DIN EN 60811-2-1

Standards/Approvals

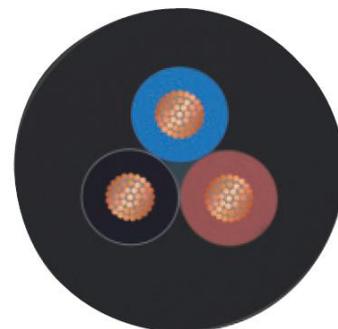
Product standard, M12 connector	IEC 61076-2-101
UL-listed, E-File	E249137

Technical drawings

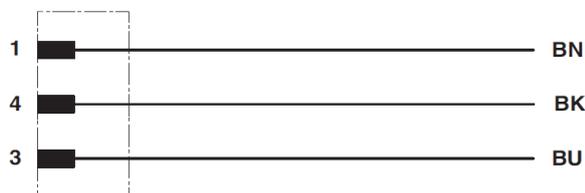


Pin assignment M12-plug, 3 pol, A-coding

Wire cross section

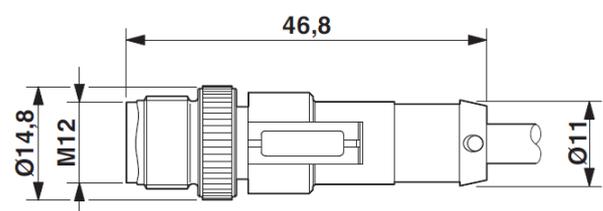


Circuit Diagram



Pin assignment M12 plug

Dimensional drawing



Plug M12x1, straight

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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