

22260223	DATA SHEET	
Valid from: 19.12.2023	AB-C3-M12MA-(L*)PUR	

Product description

- Sensor/actuator cable, 3-pol, PUR halogen-free, black
- Angled M12-plug on free conductor end



General characteristics

Number of pins	3
Ambient temperature	-25 °C to +90 °C (-13°F to 194°F) (plug / jack) -40 °C to +80 °C (-40°F to 176°F) (cable, fixed installation) -25 °C to +80 °C (-13°F to 176°F) (cable, movable installation)
Degree of protection	IP65 / IP67 / IP68
Coding	A-standard
Tightening torque	0,4 Nm (M12-connector)
Plugging cycles	≥ 100

Variation

Article number	Description	Length [m]	Configuration
22260223	AB-C3-M12MA-2,0PUR	2	angled
22260224	AB-C3-M12MA-5,0PUR	5	angled
22260256	AB-C3-M12MA-10,0PUR	10	angled

Additional note

Data sheet also valid for variant lengths. Other lengths on 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
Contact, material	CuSn
Contact carrier, material	TPU GF
Contact surface, material	Ni/Au
Knurl, material	Zinc diecasting, nickel-plated
Handle, material	TPU, flame retardant, self-extinguishing
Sealing, material	NBR

Creator: THLE3/PDP Released: IVSE1/PDP	Document: DB22260223EN Version: 09	Page 1 of 3
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22260223	DATA SHEET	
Valid from: 19.12.2023	AB-C3-M12MA-(L*)PUR	

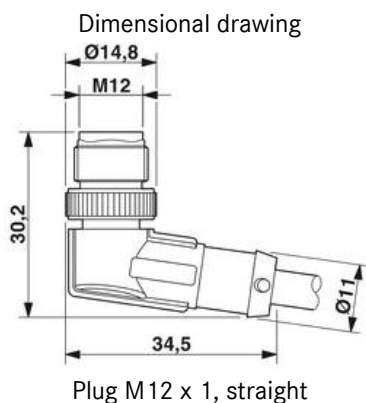
Line

Cable construction	3 x AWG22/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,34 mm ²
Conductor diameter including isolation	1,27 mm ± 0,02 mm
Cable outer diameter D	4,4 mm ± 0,15mm
Insulation color	brown, blue, black
Sheath color	grey-black, RAL 7021
Number of bending cycles	4.000.000
Bending radius	44 mm
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s ²
Cable weight	23 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Insulation resistance	≥ 100 GΩ*km (bei 20 °C)
Conductor resistance	≤ 58 Ω/km (bei 20 °C)
Flame resistance	acc. to UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
Halogen-free	acc. to DIN VDE 0472 Part 815
Oil resistance	acc. to DIN EN 60811-2-1

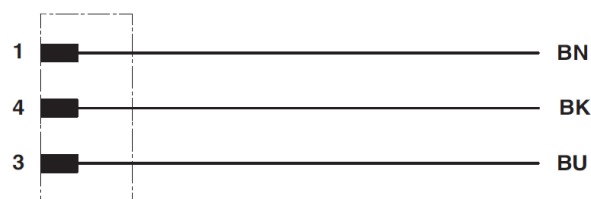
Standards/Approvals

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

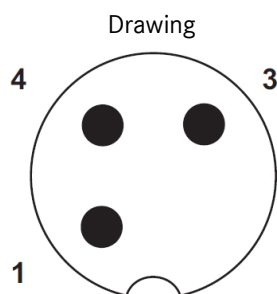
Technical drawing



Circuit diagram

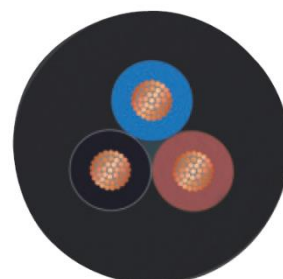


Pin assignment M12-plug



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

Wire cross section



Creator: THLE3/PDP Released: IVSE1/PDP	Document: DB22260223EN Version: 09	Page 2 of 3
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Application range

For increased mechanical load and rough operating conditions

Note

Photographs are not true to scale and do not represent detailed images of the respective products.

Creator: THLE3/PDP Released: IVSE1/PDP	Document: DB22260223EN Version: 09	Page 3 of 3
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