

22260402	DATA SHEET	
Valid from: 21.12.2023	AB-C5-M12MA-(L*)PUR	

Product description

- Sensor/actuator cable, 5-pol, PUR halogen-free, black
- Angled M12-plug on free conductor end



General characteristics

Number of pins	5
Ambient temperature	-25 °C bis +90 °C (-13°F bis 194°F) (plug / jack) -40 °C bis +80 °C (-40°F bis 176°F) (cable, fixed installation) -25 °C bis +80 °C (-13°F bis 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
22260402	AB-C5-M12MA-2,0PUR	2	angled
22260403	AB-C5-M12MA-5,0PUR	5	angled
22260417	AB-C5-M12MA-10,0PUR	10	angled

Additional note

Data sheet also valid for variant lengths. Other lengths on request.

Electrical properties

Rated voltage	48 V AC / 60 V DC
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

Line

Cable construction	5 x AWG22/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,25 mm ²

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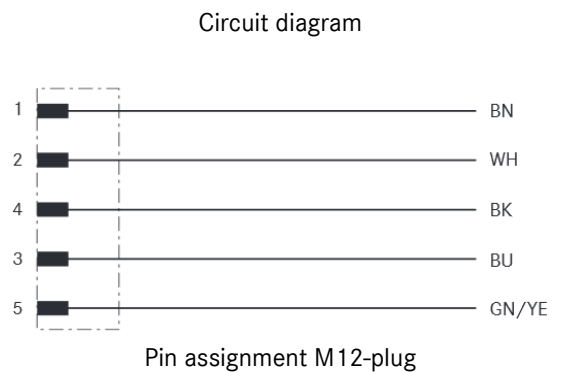
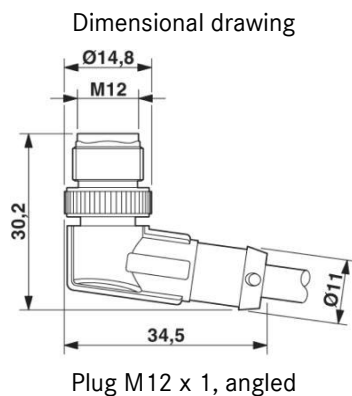
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Conductor diameter including isolation	1,27 mm $\pm$ 0,02 mm
Cable outer diameter D	5,0 mm $\pm$ 0,15mm
Insulation color	brown, white, blue, black, green/yellow
Sheath color	grey-black, RAL 7021
Number of bending cycles	10.000.000
Bending radius	50 mm
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s ²
Cable weight	33 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Insulation resistance	$\geq 16 \text{ G}\Omega \cdot \text{km}$ (bei 20 °C)
Conductor resistance	$\leq 58 \text{ }\Omega/\text{km}$ (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
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

Standards/Approvals

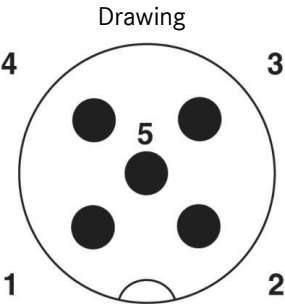
Product standard, M12 connector	IEC 61076-2-101
UL-Listed, E-File	E249137

Technical drawing

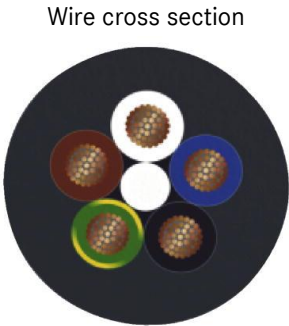


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Pin assignment M12-plug, 5-pol, A-coding



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.