

22260301	DATA SHEET	
Valid from: 19.12.2023	AB-C4-M12MA-(L*)PUR	

Product description

- Sensor/actuator cable, 4-pol, PUR halogen-free, black
- Angled M12-plug on free conductor end



General characteristics

Number of pins	4
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
22260301	AB-C4-M12MA-2,0PUR	2	angled
22260146	AB-C4-M12MA-3,0PUR	3	angled
22260302	AB-C4-M12MA-5,0PUR	5	angled
22260303	AB-C4-M12MA-10,0PUR	10	angled
22262000	AB-C4-M12MA-15,0PUR	15	angled
22260148	AB-C4-M12MA-30,0PUR	30	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

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Line

Cable construction	4 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	4,7 mm ± 0,15mm
Insulation color	white, brown, blue, black
Sheath color	grey-black, RAL 7021
Number of bending cycles	10.000.000
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexing	10 x D
Minimum bending radius, drag chain use	10 x D
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s ²
Cable weight	30 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Insulation resistance	≥ 1 GΩ*km
Conductor resistance	≤ 78 Ω/km
Flame resistance	acc. to UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
Halogen-free	acc. to DIN VDE 0472 Part 815 DIN EN 50267-2-1
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 low adhesion abrasion resistant

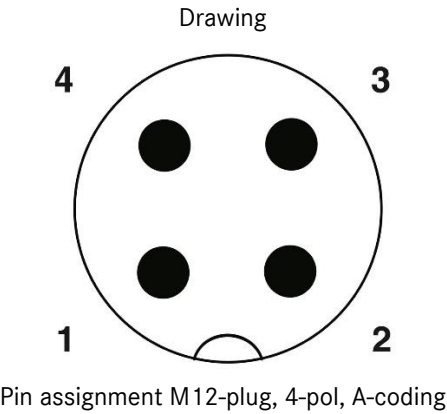
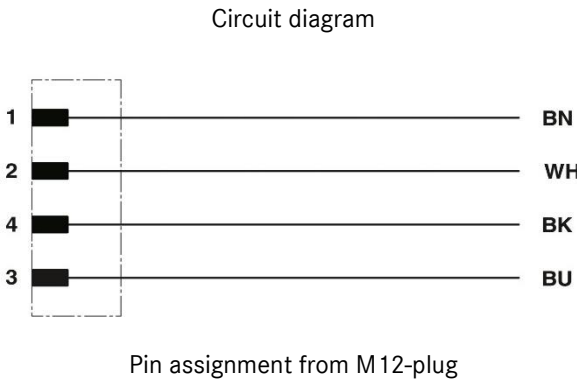
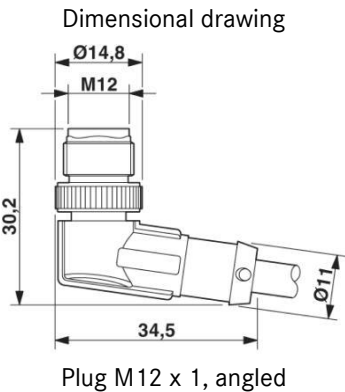
Standards/Approvals

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

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Technical drawing



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.