Product description

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



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
22260304	AB-C4-M12MA-0,3PUR-M12FS	0,3	angled - straight
22260305	AB-C4-M12MA-0,6PUR-M12FS	0,6	angled - straight
22260306	AB-C4-M12MA-1,0PUR-M12FS	1	angled - straight
22260307	AB-C4-M12MA-2,0PUR-M12FS	2	angled - straight

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, jack

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

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Line

Cable construction	4 x AWG22/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,34 mm²
Conductor diameter including isolation	1,27 mm ± 0,02 mm
Cable outer diameter	4,7 mm ± 0,15mm
Insulation color	brown, white, blue, black
Sheath color	grey-black, RAL 7021
Number of bending cycles	10.000.000
Bending radius	44 mm
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s²
Cable weight	18 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Insulation resistance	≥ 100 GΩ*km (at 20 °C)
Conductor resistance	≤ 78 Ω/km (at 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 low adhesion abrasion resistant

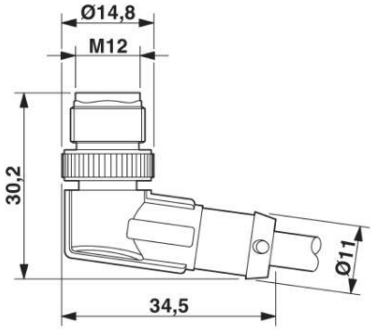
Standards

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

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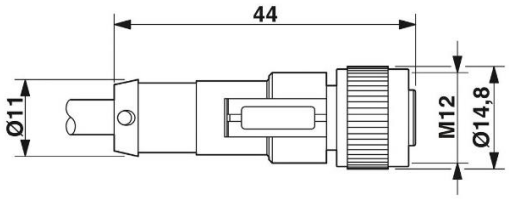
Technical drawing

Dimensional drawing



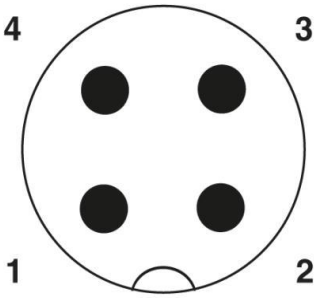
Plug M12 x 1, straight

Dimensional drawing



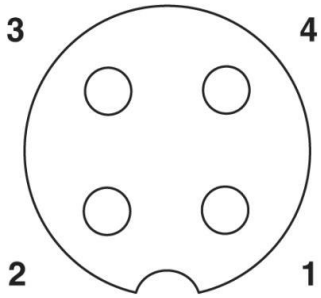
Jack M12 x 1, angled

Drawing



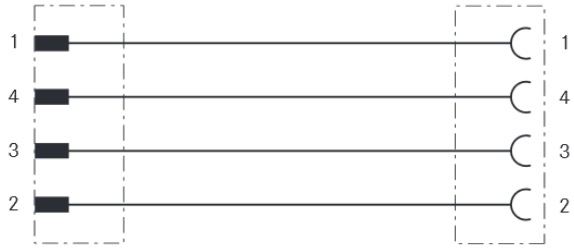
Pin assignment M12-plug, 4-pol, A-coding

Drawing



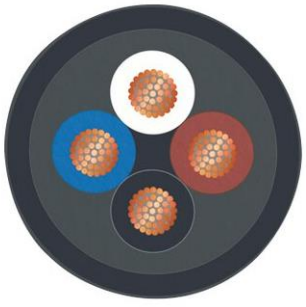
Pin assignment M12-jack, 4-pol, A-coding

Circuit diagram



Pin assignment between M8-plug and M12-jack

Wire cross section



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.

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