

22261063	DATA SHEET	
Valid from: 17.06.2024	AB-C8-M12MS-(L*)PUR-M12FS-SH	

Product description

- Sensor/actuator cable, 8-pol, PUR black
- Straight M12-plug on straight M12-jack
- Shielded



General characteristics

Number of pins	8
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
Coding	A-standard
Tightening torque	0,4 Nm (M12-connector)
Plugging cycles	≥ 100

Variation

Article number	Description	Length [m]	Configuration
22261063	AB-C8-M12MS-2,0PUR-M12FS-SH	2	straight - straight
22260282	AB-C8-M12MS-5,0PUR-M12FS-SH	5	straight - straight
22260283	AB-C8-M12MS-10,0PUR-M12FS-SH	10	straight - straight

Additional note

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

Electrical properties

Rated voltage	30 V
Rated current	2 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

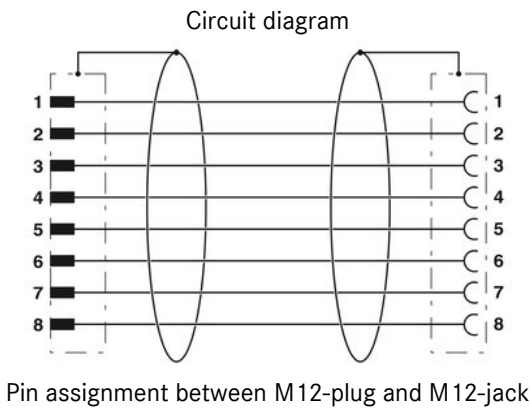
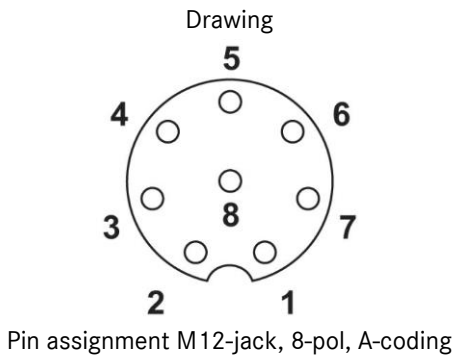
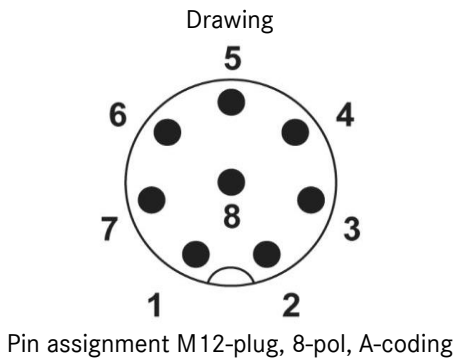
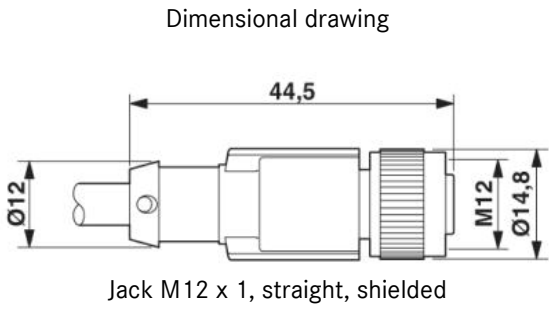
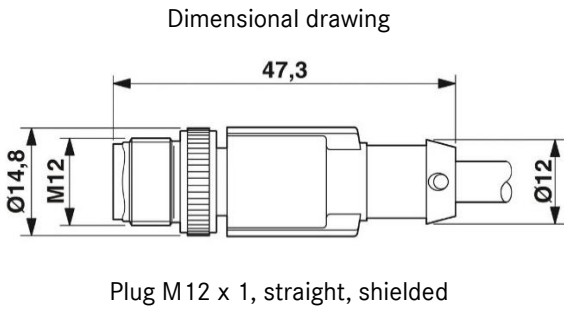
Cable construction	8 x AWG24/32
Signal line, construction	32 x 0,1 mm
Conductor cross-section	0,25 mm²
Conductor diameter including isolation	1,17 mm ± 0,02 mm
Cable outer diameter D	5,9 mm ± 0,2mm
Insulation color	brown, white, green, yellow, grey, pink, blue, red
Sheath color	grey-black, RAL 7021
Shielding	Braid of tinned copper wires
Number of bending cycles	10.000.000
Minimum bending radius	10 x D
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s²
Cable weight	31 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Insulation resistance	≥ 1 GΩ*km (at 20 °C)
Conductor resistance	≤ 78 Ω/km (at 20 °C)
Flame resistance	acc. to UL 758 / 1581 FT2 UL 758/1581 (horizontal) DIN EN 60332-2-2 (20 s)
Halogen-free	acc. to DIN VDE 0472 Part 815 IEC 60754-1
Oil resistance	acc. to IEC 60811-404
Other resistances	resistant to hydrolysis and microbes limited UV resistance acc. to DIN EN ISO 4892-2-A resistant to sea water

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.