


22260097	DATA SHEET	
Valid from: 29.11.2023	AB-C8-M12MS-(L*)PUR-M12FS	

Product description

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



General characteristics

Number of pins	8
Ambient temperature	-25 °C bto +90 °C (plug / jack) -40 to +80 °C (cable, fixed installation) -25 to +80 °C (cable, movable installation)
Degree of protection	IP 65 / IP 67 / IP 68
Coding	A-standard
Tightening torque	0,4 Nm (M12-connector)

Variation

Article	Description	Length [m]	Configuration
22260097	AB-C8-M12MS-0,3PUR-M12FS	0,3	straight - straight
22260098	AB-C8-M12MS-0,6PUR-M12FS	0,6	straight - straight
22260099	AB-C8-M12MS-1,0PUR-M12FS	1,0	straight - straight
22260042	AB-C8-M12MS-2,0PUR-M12FS	2,0	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	CuZn
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 0,10 mm
Conductor cross-section	0,25 mm ²
Conductor diameter including isolation	1,17 mm ± 0,02 mm
Cable outer diameter	5,9 mm ±0,15 mm
Insulation color	white, brown, green, yellow, grey, pink, blue, red
Sheath color	grey-black, RAL 7021
Bending radius	59 mm
Number of bending cycles	4.000.000
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s ²
Cable weight	46 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Flame resistance	acc. to UL UL-Style 20549
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 suitable for drag chains, silicone-free, free of paint-wetting impairment substances

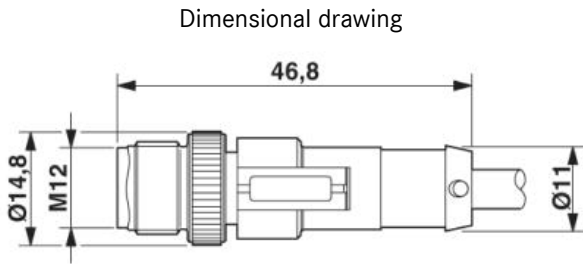
Standards/Approvals

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

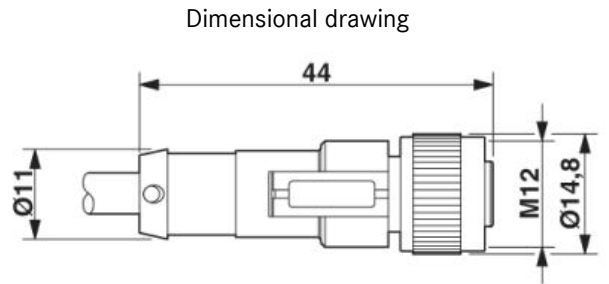
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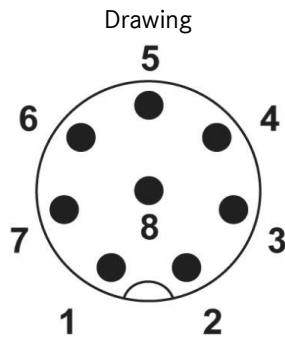
Technical drawing



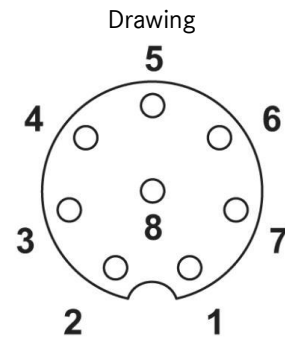
Plug M12 x 1, straight



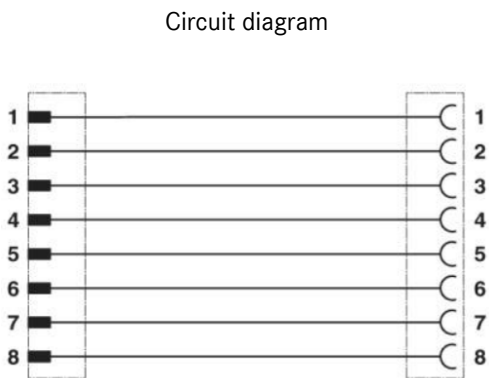
Jack M12 x 1, straight



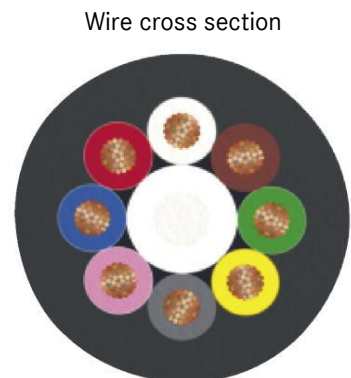
Pin assignment M12-plug, 8-pol, A-coding



Pin assignment M12-jack, 8-pol, A-coding



Pin assignment between M12-plug and M12-jack



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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