


22262180	<b>DATA SHEET</b>	
Valid from: 18.06.2024	<b>AB-C4-M12MS-(L*)TPE-M12FS-HD</b>	

### Product description

- Sensor / actuator cable, 4-pol, PP-EPDM
- Straight M12-plug on straight M12-jack
- Hygienic Design



### General characteristics

Number of pins	4
Ambient temperature	-40 °C to +105 °C (-40°F to 221°F) (plug / jack) -40 °C to +105 °C (-40°F to 221°F) (cable, fixed installation) -25 °C to +105 °C (-13°F to 221°F) (cable, movable installation)
Degree of protection	IP65 / IP67 / IP68 / IP69
Coding	A-standard
Plugging cycles	≥ 100
Tightening torque	0,4 Nm (M12-connector)

### Variation

Article number	Description	Length [m]	Configuration
22262184	AB-C4-M12MS-0,3TPE-M12FS-HD	0,3	straight - straight
22262185	AB-C4-M12MS-0,6TPE-M12FS-HD	0,6	straight - straight
22262180	AB-C4-M12MS-1,0TPE-M12FS-HD	1	straight - straight
22262181	AB-C4-M12MS-2,0TPE-M12FS-HD	2	straight - straight
22262182	AB-C4-M12MS-5,0TPE-M12FS-HD	5	straight - straight
22262183	AB-C4-M12MS-10,0TPE-M12FS-HD	10	straight - 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

Contact, material	CuSn
Contact carrier, material	PP
Contact surface, material	Ni/Au
Knurl, material	Stainless steel
Handle, material	PP
Seal, material	FKM

#### Line

Cable construction	4 x AWG22/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,34 mm <sup>2</sup>
Conductor diameter including isolation	1,27 mm ± 0,02 mm
Cable outer diameter D	4,7 mm ± 0,15 mm

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Insulation color	Brown, white, blue, black
Sheath color	grey, RAL 7035
Number of bending cycles	4.000.000
Minimum bending radius	10 x D
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s <sup>2</sup>
Cable weight	30 kg/km
Outer coating, material	PP-EPDM
Wire insulation, material	PP
Insulation resistance	≥ 1 GΩ*km
Conductor resistance	approx. 58 MΩ/km
Halogen-free	acc. to DIN VDE 0472 Part 815
Other characteristics	Resistant to cold wraps and cold shock according to DIN EN 60811-1-4 (-40 °C)

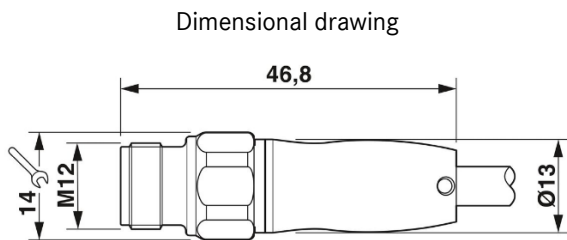
### Standards/Approvals

Product standard, M12 connector	IEC 61076-2-101
Material compliance	FDA 21 CFR 177.2600

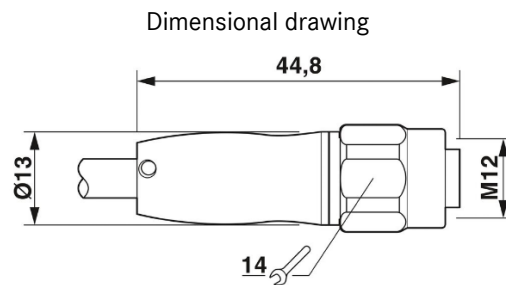
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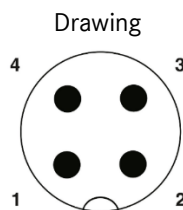
## Technical drawing



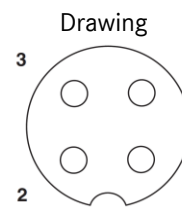
Plug M12 x 1, straight, shielded



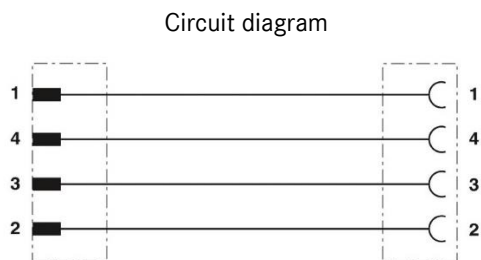
Jack M12 x 1, straight



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

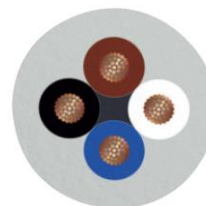


Pin assignment M12-jack, 4-pol, A-coding



Pin assignment of M12-plug

Wire cross section



## Application range

For food and packaging machines.

## Note

Photographs are not true to scale and do not represent detailed images of the respective products.

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