


22260169	<b>DATA SHEET</b>	
Valid from: 28.11.2023	<b>AB-C4-M8MS-(L*)PVC-M8FS</b>	

## Product description

- Sensor/actuator cable, 4-pol, PVC black
- Straight M8-plug on straight M8-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	0,2 Nm (M8-connector)
Plugging cycles	≥ 100

## Variation

Article number	Description	Length [m]	Configuration
22260169	AB-C4-M8MS-1,0PVC-M8FS	1	straight - straight
22260170	AB-C4-M8MS-2,0PVC-M8FS	2	straight - straight
22260171	AB-C4-M8MS-5,0PVC-M8FS	5	straight - straight
22260172	AB-C4-M8MS-10,0PVC-M8FS	10	straight - straight

## Additional note

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

## Electrical properties


Rated voltage	60 V DC / 48 V AC
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 AWG24/32
Signal line, construction	32 x 0,1 mm
Conductor cross-section	0,25 mm <sup>2</sup>
Conductor diameter including isolation	1,17 mm ± 0,02 mm
Cable outer diameter D	3,6 mm ± 0,15mm
Insulation color	brown, blue, black
Sheath color	grey RAL 7001
Number of bending cycles	10.000.000
Minimum bending radius, fixed	5 x D
Cable weight	33 kg/km
Outer coating, material	PVC
Wire insulation, material	PVC
Insulation resistance	≥ 100 GΩ*km (at 20 °C)
Conductor resistance	≤ 79 Ω/km (at 20 °C)
Flame resistance	acc. to UL-Style 2464
Oil resistance	acc. to DIN EN 60811-2-1

**Standards/Approvals**

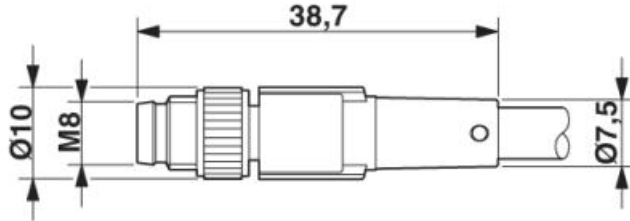
Product standard, M8 connector	IEC 61076-2-104
UL-Listed, E-File	E249137

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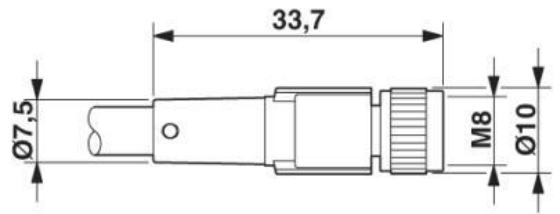
### Technical drawing

Dimensional drawing



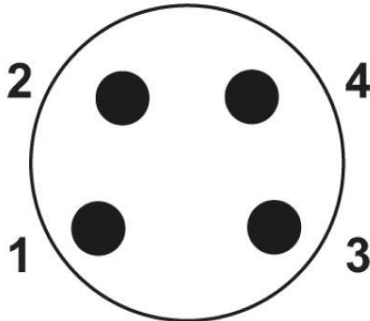
Plug M8 x 1, straight

Dimensional drawing



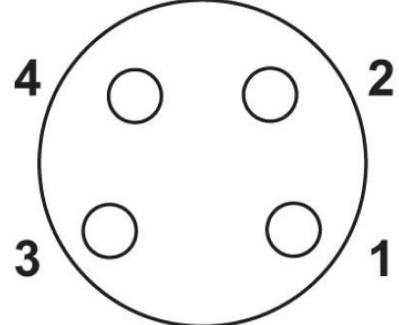
Jack M8 x 1, straight

Drawing



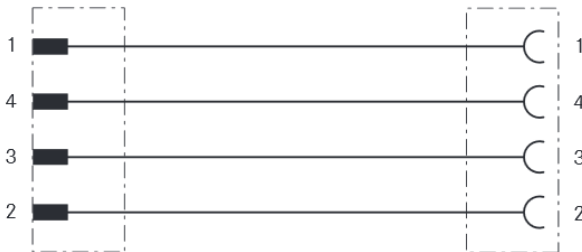
Pin assignment M8-plug, 4-pol, A-codiert

Drawing



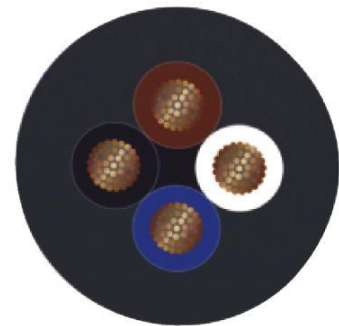
Pin assignment M8-jack, 4-pol, A-codiert

Circuit diagram



Pin assignment between M8-plug and M8-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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