

22262096	<b>DATA SHEET</b>	
Valid from: 28.11.2023	<b>AB-C3-M12MS-(L*)PVC-M12FA</b>	

## Product description

- Sensor/actuator cable, 3-pol, PVC black
- Straight M12-plug on angled M12-jack



## General characteristics

Number of pins	3
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
22262096	AB-C3-M12MS-2,0PVC-M12FA	2	straight - angled
22262097	AB-C3-M12MS-5,0PVC-M12FA	5	straight - angled
22262098	AB-C3-M12MS-10,0PVC-M12FA	10	straight - angled
22262115	AB-C3-M12MS-20,0PVC-M12FA	20	straight - angled

## 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
Seal, material	NBR

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### Line

Cable construction	3 x AWG22/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,34 mm <sup>2</sup>
Conductor diameter including isolation	1,45 mm ± 0,02 mm
Cable outer diameter D	5,2 mm ± 0,15mm
Insulation color	brown, blue, black
Sheath color	black, RAL 9005
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, movable installation	10 x D
Cable weight	40 kg/km
Outer coating, material	PVC
Wire insulation, material	PVC
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Conductor resistance	≤ 58 Ω/km (at 20 °C)
Flame resistance	acc. to UL-Style 2464
Oil resistance	acc. to DIN EN 60811-2-1, 168 h at 90 °C

### Standards

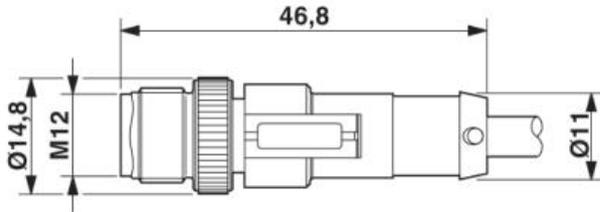
Product standard, M12 connector	IEC 61076-2-101
UL-Listed, E-File	E249137

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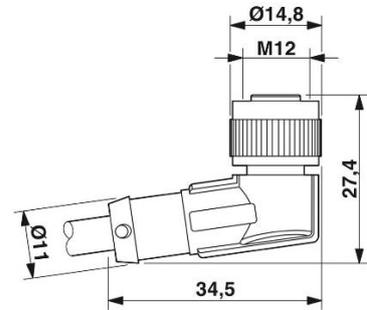
### Technical drawing

Dimensional drawing



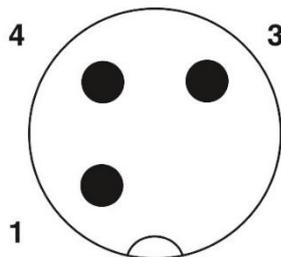
Plug M12 x 1, straight

Dimensional drawing



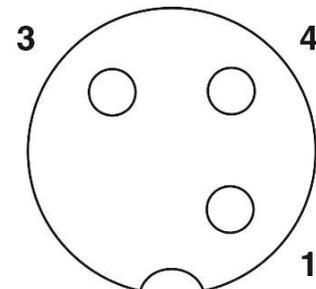
Jack M12 x 1, angled

Drawing



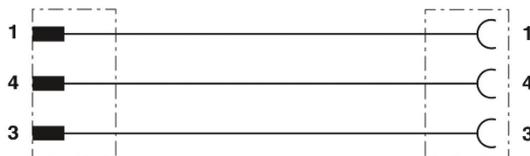
Pin assignment M12-plug, 3-pol, A-codiert

Drawing



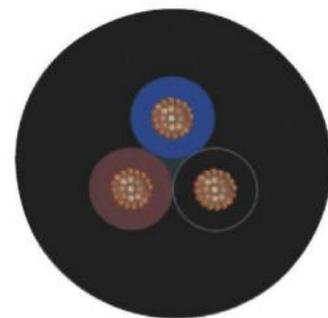
Pin assignment M12-jack, 3-pol, A-codiert

Circuit diagram



Pin assignment between M12-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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