


22260225	<b>DATA SHEET</b>	
Valid from: 17.09.2018	<b>AB-C3-M12MS-(L*)PUR-M8FS</b>	

## Description

- Sensor / actuator-cable 3-pins, PUR halogen-free, black grey RAL 7021
- Straight M12-plug on straight M8-jack



## General characteristics

Number of pins	3
Ambient temperature	-25 to +90 °C (-13°F to 194°F) (connector) -40 to +80 °C (-40°F to 176°F) (cable fixed installation) -25 to +80 °C (-13°F to 176°F) (cable flexible)
Degree of protection	IP65 / IP67 / IP68
Coding	A-coded
Torque	0.2 Nm (M8-connector) 0.4 Nm (M12-connector)

## Variation

Material	Description	Length (L*) [m]	Configuration
22260225	AB-C3-M12MS-0,3PUR-M8FS	0.3	Straight - straight
22260226	AB-C3-M12MS-0,6PUR-M8FS	0.6	Straight - straight
22260227	AB-C3-M12MS-1,0PUR-M8FS	1	Straight - straight
22260228	AB-C3-M12MS-2,0PUR-M8FS	2	Straight - straight
22260671	AB-C3-M12MS-3,0PUR-M8FS	3	Straight - straight

## Electrical properties


Rated voltage	60 V
Rated current at 40 °C	4
Overvoltage category	II
Pollution degree	3

## Mechanical properties

### Plug & jack

Flammability class according to UL 94	HB
Contact	CuSn
Contact surface	Ni / Au
Contact carrier	TPU GF
Knurl	Zinc diecasting, nickel-plated
Handle	TPU
Seal	NBR

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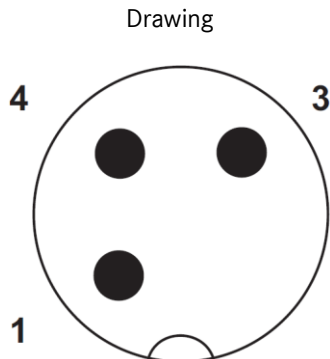
### Line

Conductor diameter including isolation	1.17 mm ±0.02 mm
Cable outer diameter	3.6 mm ±0.15 mm
Core identification	brown, blue, black
Sheath colour	black grey RAL 7021
Bending radius	44 mm
Number of bending cycle	10000000
Traveling distance	10 m
Travel speed	3 m/s
Acceleration	10 m/s <sup>2</sup>
Cable weight	18 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Flame resistance	acc. to UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
Halogen-free	acc. to DIN VDE 0472 Teil 815
Oil resistance	acc. to DIN EN 60811-2-1

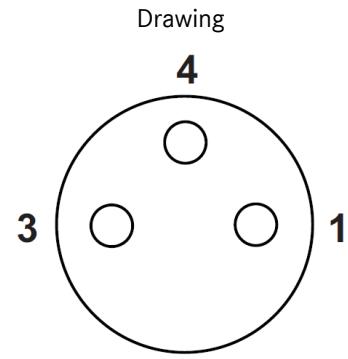
### Standards / Approvals

Product standard, M8 connector	IEC 61076-2-104
Product standard, M12 connector	IEC 61076-2-101

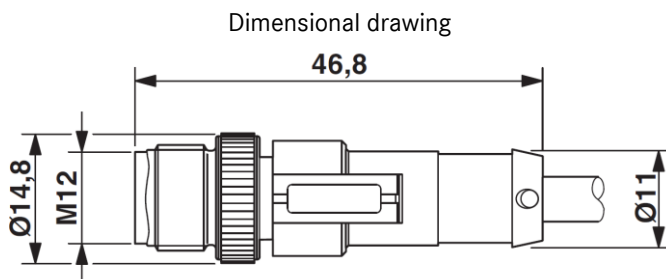
### Technical drawing



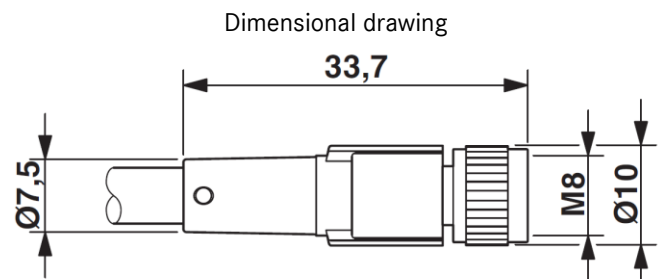
M12-plug, 3-pins, A-coding



M8-jack, 3-pins, A-coding




Plug M12x1, straight



Jack M8x1, straight

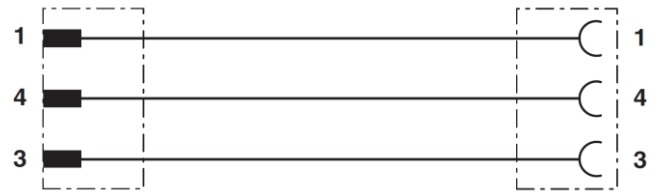
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Wire cross section



Circuit diagram



Contact assignment the M12 connector

### Application range

Automation, industrial machinery and plant engineering

### Note

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

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