


22260229	<b>DATA SHEET</b>	
Valid from: 17.09.2018	<b>AB-C3-M12MS-(L*)PUR-M8FA</b>	

## Description

- Sensor / actuator cable, 3-pole, PUR halogen-free, black grey RAL 7021
- Plug straight M12, A-coded
- Jack angled M8



## General characteristics

Number of pins	3
Ambient temperature	-25 to +90 °C (-13°F to 194°F) (Plug / jack) -40 to +80 °C (-40°F to 176°F) (Cable, Fixed Installation) -25 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) 0.4 Nm (M12-connector)

## Variants

Material	Description	Length (L*) [m]	Configuration
22260229	AB-C3-M12MS-0.3PUR-M8FA	0.3	Straight - angled
22260230	AB-C3-M12MS-0.6PUR-M8FA	0.6	Straight - angled
22260231	AB-C3-M12MS-1.0PUR-M8FA	1	Straight - angled
22260232	AB-C3-M12MS-2.0PUR-M8FA	2	Straight - angled

## Electrical properties


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

## Mechanical properties

### Plug & jack

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

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### Line

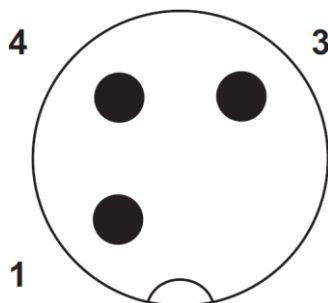
Cable construction	3x AWG 24/32
Conductor diameter including isolation	1.17 mm ±0.02 mm
Cable outer diameter	3.6 mm ±0.15 mm
Core identification	Brown, Blue, Black
Sheath colour	Black Grey, similar to RAL 7021
Bending radius	44 mm
Number of bending cycle	10000000
Traveling distance	10 m
Travel speed	3 m/s
Acceleration	10 m/s <sup>2</sup>
Cable weight	18 kg/km
Outer coating, material	PUR
Material wire insulation	PP
Flame resistance	Acc. to UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
Halogen-free	Acc. to DIN VDE 0472 part 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

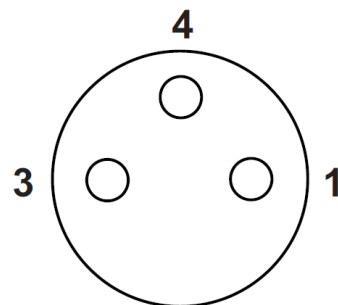
### Technical drawing

Drawing



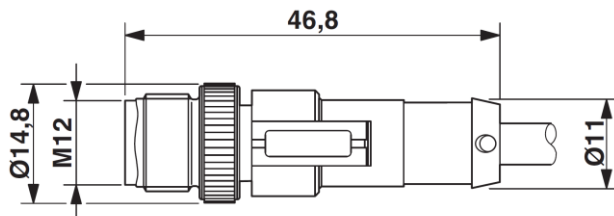
M12-plug, 3-pins, A-coding

Drawing



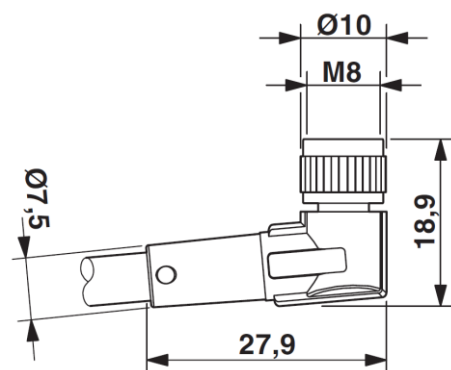
M8-jack, 3-pins, A-coding

Dimensional drawing




Plug M12x1, straight

Dimensional drawing



Jack M8x1, straight

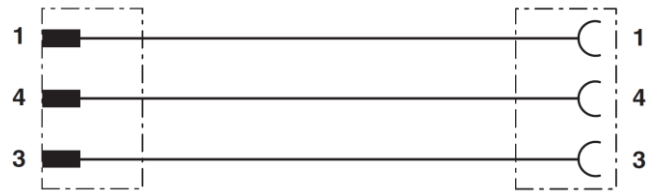
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Wire cross section



Circuit diagram



Contact assignment the M12 connector

### Application range

Automation, Tool shop, Mechanical Engineering and plant engineering

### Note

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

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