


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

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

Creator: ERTC1/PDP Released: IVSE1/PDP	Document: DB22260225EN Version: 05	Page 1 of 3
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Valid from: 17.09.2018	AB-C3-M12MS-(L*)PUR-M8FS	

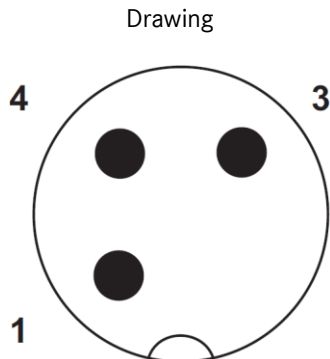
Line

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 ²
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

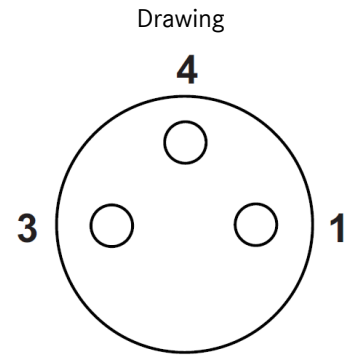
Standards / Approvals

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

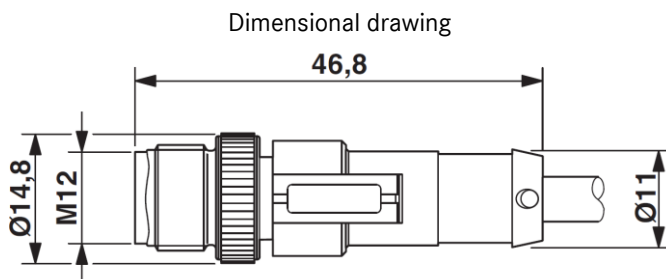
Technical drawing



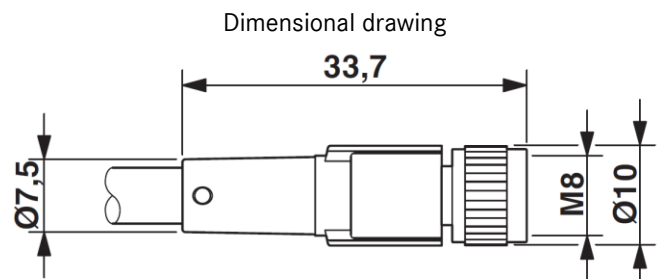
M12-plug, 3-pins, A-coding



M8-jack, 3-pins, A-coding




Plug M12x1, straight



Jack M8x1, straight

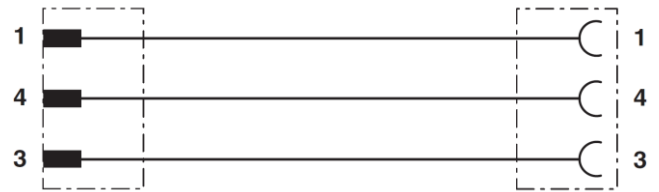
Creator: ERTC1/PDP Released: IVSE1/PDP	Document: DB22260225EN Version: 05	Page 2 of 3
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Wire cross section



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.

Creator: ERTC1/PDP Released: IVSE1/PDP	Document: DB22260225EN Version: 05	Page 3 of 3
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