


22260352	<b>DATA SHEET</b>	
Valid from: 09.11.2018	<b>AB-C4-(L*)PUR-M8FS-SH</b>	

## Product description

Sensor/actuator cable, 4-pos., PUR black, straight socket M8 on free conductor end, shielded.



## Product variations

Article number	Article description	Length (L*) [m]
22260352	AB-C4-2,0PUR-M8FS-SH	2
22261034	AB-C4-10,0PUR-M8FS-SH	10
22261035	AB-C4-15,0PUR-M8FS-SH	15

This datasheet is also valid for other length configurations. Other lengths upon request.

## M8 connector


### General properties

Coding	A
Protection degree	IP65/IP67/IP68
Number of contacts	4
Ambient temperature	-25 °C to +90 °C
Rated voltage	30 V
Rated current	4 A
Insulation resistance	≥ 100 MΩ
Volume resistance	≤ 5 mΩ
Overvoltage category	II
Pollution degree	3
Tightening torque	0.2 Nm
Mating cycles	100

### Materials

Contact carrier	TPU GF
Contact carrier, inflammability class in accordance with UL 94	HB
Material, contacts	CuSn
Contact surface	Ni/Au
Material, grip body	TPU
Material, knurl	zinc die-cast, nickel-plated
Material, sealing	NBR

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## Cable

Signal line, construction	32 x 0.10 mm
Signal line, AWG	24
Conductor, material	stranded of bare copper wire
Conductor, cross-section	0.25 mm <sup>2</sup>
Number of cores	4
Core identification code	brown (1), white (2), blue (3), black (4)
Outer diameter, core insulation	1.17 mm
Core insulation, material	PP
Screening	braid of copper wire
Coverage	85 %
Outer sheath	PUR
Outer sheath, color	grey-black similar to RAL 7021
Outer diameter, cable	5.0 mm
Ambient temperature, fixed installation	-40 °C to +80 °C
Ambient temperature, flexing	-25 °C to +80 °C
Minimum bending radius, fixed installation	5 x cable diameter
Minimum bending radius, flexing	10 x cable diameter
Travel length	10 m
Travel speed	3 m/s
Acceleration	10 m/s <sup>2</sup>
Number of bending cycles	4.000.000
Nominal voltage	≤ 300 V
Test voltage	≥ 3000 V
Flame retardance	flame retardant acc. to UL-Style 20549
Halogen free	halogen free acc. to DIN VDE 0472 Part 815 DIN EN 50267-2-1
Oil resistance	oil resistant acc. to DIN EN 60811-2-1
Other resistances	resistant to hydrolysis and microbes limited UV resistance acc. to DIN EN ISO 4892-2-A

## Standards/Approvals

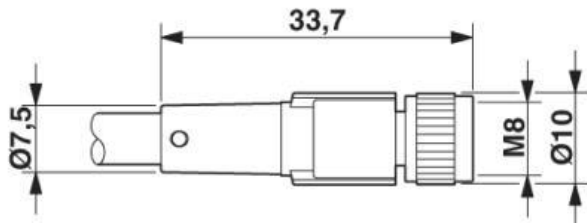
Product standard, M8 connector	IEC 61076-2-104
UL-listed, E-File	E249137

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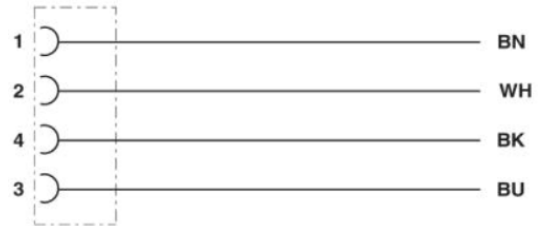
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## Drawings

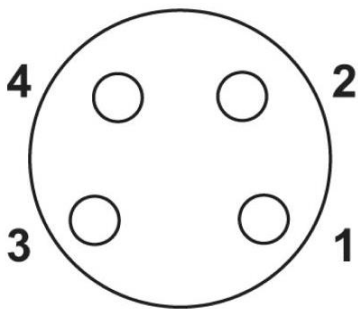
Dimensioned drawing, M8 connector



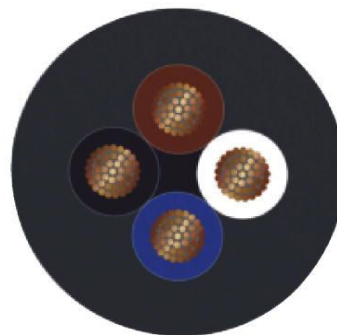
Wiring diagram



Pin assignment



Cable



Core identification code: brown (1), white (2), blue (3), black (4)

## Note

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

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