

22260202	DATA SHEET	
Valid from: 19.12.2023	AB-C3-(L*)PUR-M8FS	

Product description

- Sensor/actuator cable, 3-pol, PUR halogen-free, black
- Straight M8-jack on free conductor end



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	0,2 Nm (M8-connector)
Plugging cycles	≥ 100

Variation

Article number	Description	Length [m]	Configuration
22260177	AB-C3-1,0PUR-M8FS	1	straight
22260202	AB-C3-2,0PUR-M8FS	2	straight
22262178	AB-C3-3,0PUR-M8FS	3	straight
22260200	AB-C3-5,0PUR-M8FS	5	straight
22260219	AB-C3-10,0PUR-M8FS	10	straight
22260894	AB-C3-12,0PUR-M8FS	12	straight
22260366	AB-C3-15,0PUR-M8FS	15	straight
22260934	AB-C3-20,0PUR-M8FS	20	straight

Additional note

Data sheet also valid for variant lengths. Other lengths on request.

Electrical properties

Rated voltage	60 V DC / 48 V AC
Rated current	4 A
Overvoltage category	II
Pollution degree	3

Mechanical properties

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
Sealing, material	NBR

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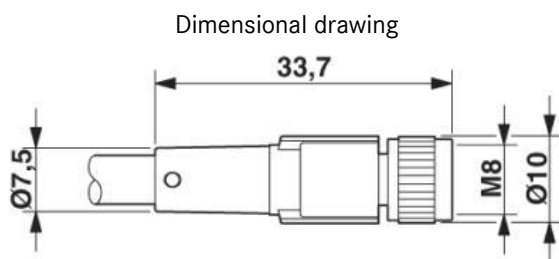
Line

Cable construction	3 x AWG24/32
Signal line, construction	32 x 0,1 mm
Conductor cross-section	0,25 mm ²
Conductor diameter including isolation	1,17 mm ± 0,02 mm
Cable outer diameter	4,4 mm ± 0,15mm
Insulation color	brown, blue, black
Sheath color	grey-black, RAL 7021
Number of bending cycles	10.000.000
Bending radius	44 mm
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s ²
Cable weight	18 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Insulation resistance	≥ 100 GΩ*km (at 20 °C)
Conductor resistance	≤ 78 Ω/km (at 20 °C)
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
Other resistances	resistant to hydrolysis and microbes good resistant to acids, lyes and solvents limited UV resistance acc. to DIN EN ISO 4892-2-A resistant to sea water

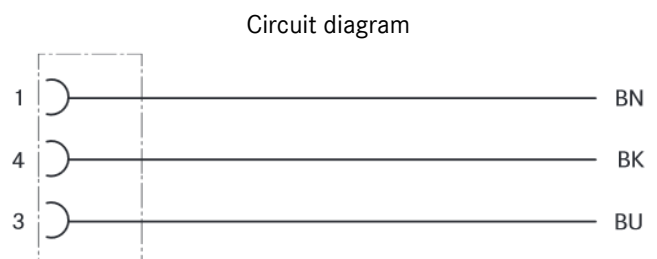
Standards/Approvals

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

Technical drawing



Jack M8 x 1, straight

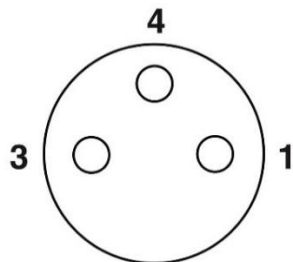


Pin assignment from M8-jack

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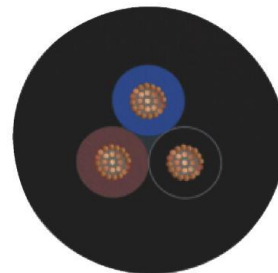
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Drawing



Pin assignment M8-jack, 3-pol, A-coding

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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