

22260080	DATA SHEET	
Valid from: 29.11.2023	AB-C3-(L*)PVC-M12FS	

Product description

- Sensor/actuator cable, 3-pol, PVC black
- Straight M12-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	0,4 Nm (M12-connector)
Plugging cycles	≥ 100

Variation

Article number	Description	Length [m]	Configuration
22262188	AB-C3-1,0PVC-M12FS	1	straight
22260080	AB-C3-2,0PVC-M12FS	2	straight
22260663	AB-C3-5,0PVC-M12FS	5	straight
22260081	AB-C3-10,0PVC-M12FS	10	straight

Additional note

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

Electrical properties

Rated voltage	250 V
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

Line

Cable construction	3 x AWG22/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,34 mm ² (Signal line)
Conductor diameter including isolation	1,45 mm ± 0,02 mm (Signal line)

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Cable outer diameter	5,2 mm ± 0,2mm
Insulation color	brown, blue, black
Sheath color	black RAL 9005
Number of bending cycles	10.000.000
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexing	10 x D
Cable weight	40 kg/km
Outer coating, material	PVC
Wire insulation, material	PVC
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Conductor resistance	max. 58 Ω/km (at 20 °C)
Flame resistance	acc. to UL-Style 2464
Oil resistance	acc. to DIN EN 60811-2-1, 168 h at 90 °C

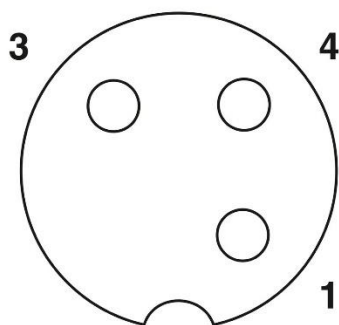
Standards/Approvals

Product standard, M12 connector
UL-Listed, E-File

IEC 61076-2-101
E249137

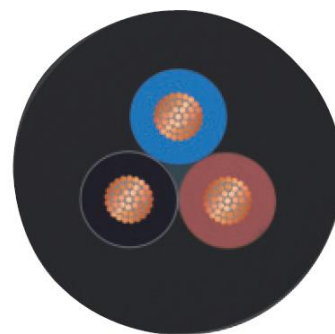
Technical drawing

Drawing

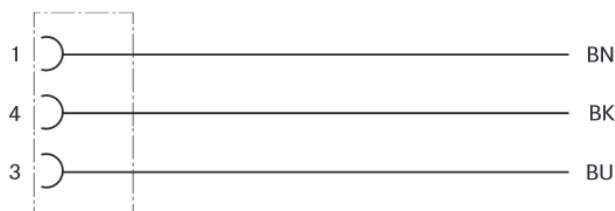


Pin assignment M12-jack, 3-pol, A-coding

Wire cross section

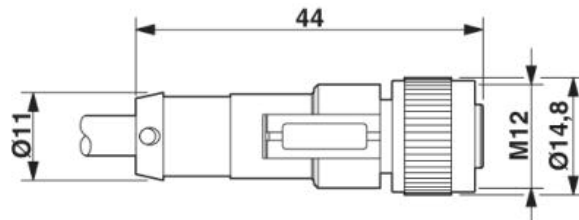


Circuit drawing



Pin assignment M12-jack

Dimensional drawing



Jack M12 x 1, straight

Application range

For medium mechanical load in dry areas

Note

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

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