

22262102	DATA SHEET	
Valid from: 28.11.2023	AB-C5-M12MS-(L*)PVC-M12FA	

Product description

- Sensor/actuator cable, 5-pol, PVC black
- Straight M12-plug on angled M12-jack



General characteristics

Number of pins	5
Ambient temperature	-25 °C to +90 °C (-13°F to 194°F) (plug / jack) -25 °C to +80 °C (-13°F to 176°F) (cable, fixed installation) -10 °C to +80 °C (14°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
22262102	AB-C5-M12MS-2,0PVC-M12FA	2	straight - angled
22262103	AB-C5-M12MS-5,0PVC-M12FA	5	straight - angled
22262104	AB-C5-M12MS-10,0PVC-M12FA	10	straight - angled

Additional note

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

Electrical properties

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

Mechanical properties

Plug, 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
Seal, material	NBR

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Line

Cable construction	5 x AWG22/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,34 mm ²
Conductor diameter including isolation	1,26 mm ± 0,05 mm
Cable outer diameter D	5,9 mm ± 0,15mm
Insulation color	brown, white, blue, black, green/yellow
Sheath color	black, RAL 9005
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, movable installation	10 x D
Cable weight	51 kg/km
Outer coating, material	PVC
Wire insulation, material	PVC
Insulation resistance	≥ 200 MΩ*km (at 20 °C)
Conductor resistance	≤ 57 Ω/km (at 20 °C)
Flame resistance	acc. to UL-Style 2464
Oil resistance	acc. to DIN EN 60811-2-1

Standards

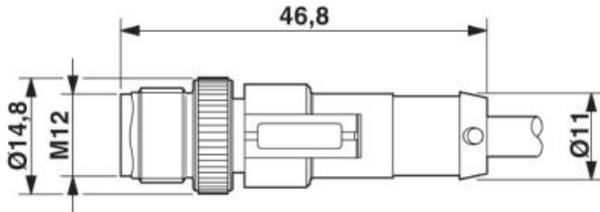
Product standard, M12 connector	IEC 61076-2-101
UL-Listed, E-File	E249137

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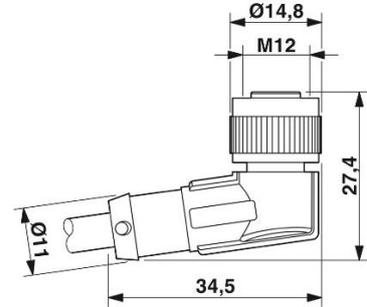
Technical drawing

Dimensional drawing



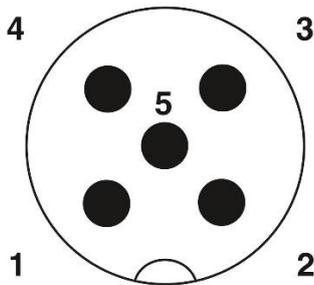
Plug M12 x 1, straight

Dimensional drawing



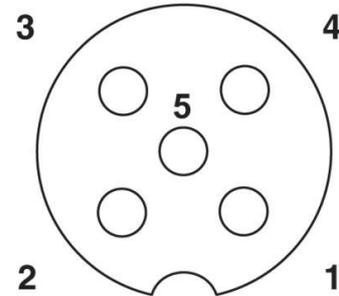
Jack M12 x 1, angled

Drawing



Pin assignment M12-plug, 5-pol, A-codiert

Drawing



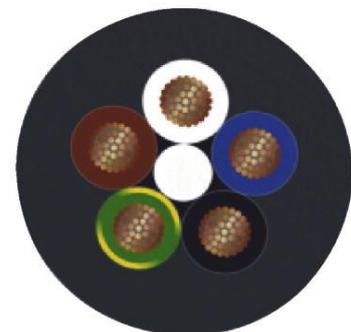
Pin assignment M12-jack, 5-pol, A-codiert

Circuit diagram



Pin assignment between M12-plug and M12-jack

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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