

M12 Sensor Cable Assembly Plug-Free

multicomp PRO

Actuator and Sensor Cable, PVC-Connection Cable, M12, A-Coding

**RoHS
Compliant**



Features

- M12, Female, Angled, 5-Pin
- Cable Jacket material: PVC
- Resistant to chemicals and oils
- Flame-retardant
- Resistance to welding sparks
- Resistant to salt spray
- Protection Class: IP67
- Approval: cULus, CE
- Cable length: 2.0m

Technical Data

Connector A

Connector	: Female, M12 × 1, Angled, A-coding
Number of Pins	: 5
Contacts	: Brass, Gold-plated
Coupling Nut/screw	: Brass, Nickel-plated
Contact Carriers	: PA
Seal	: NBR
Connector body	: PUR Black
LED	: No
Mechanical lifespan	: ≥100 Mating cycles
Pollution degree	: 3
Protection Class	: IP67, (screwed together)
Locking mode	: Screw
Standard	: IEC 61076-2

Cable

Cable length	: 2m
Cable diameter	: Ø 5mm ± 0.2mm
Cable jacket	: PVC, Black
Shielded	: N0
Core colors	: 1-BN, 2-WH, 3-BU, 4-BK, 5-GY
Sheath stripping length	: 50mm
Core insulation	: PVC
Core cross-section	: 5 × 0.34mm ²

Electrical properties

Rated Voltage	: 60V
Current	: 4A
Contact resistance	: ≤ 5MΩ
Insulation resistance	: ≥10 ⁹ Ω
Max. conductor resistance	: max. 55.4Ω/km

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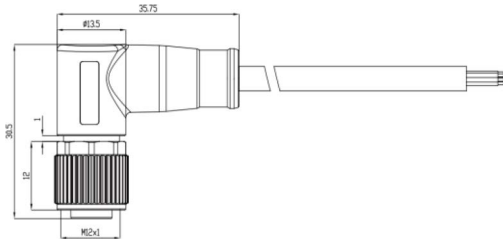
Mechanical and chemical properties

Ambient temperature range (stationary) : -40°C to 80°C
 Ambient temperature range (In motion) : -5°C to 80°C
 Bending radius (stationary installation) : $\geq 5 \times \varnothing$
 Bending radius (flexible use) : $\geq 10 \times \varnothing$
 Approvals : cULus, CE

Contact assignment



Diagram



Connection diagram

CNI	Core colors
1	BN
2	WH
3	BU
4	BK
5	GY

Dimensions : Millimetres

Part Number Table

Description	Part Number
M12 Sensor Cable, Plug-Free End, PVC, A-Coding, 5 Pins, 2m	MP011274

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