

M12 Sensor Cable Assembly

Female M12 - Male M12

multicomp PRO

Actuator and Sensor Cable, PUR – Extension Cable, M12, A-coding

**RoHS
Compliant**



Features

- Female M12, straight, 4-pin
- Male M12, straight, 4-pin
- Jacket material: PUR
- Jacket color: black
- Resistant to chemicals and oils
- Flame-retardant
- Resistance to welding sparks
- Resistant to salt spray
- Approval: cULus, CE
- Protection class: IP67
- Cable length: 2m

Technical Data

Connector A

Connector	: Female, M12x1, Straight, A-coded
Number of Pins	: 4
Contacts	: Brass, Gold-plated
Contact Carriers	: PA
Coupling Nut/screw	: Brass, Nickel-plated
Connector body	: PUR Black
Seal	: FKM
Mechanical lifespan	: ≥100 Mating cycles
Pollution degree	: 3
Protection Class	: IP67, (screwed together)
Locking mode	: Screw
Standard	: IEC 61076-2

Connector B

Connector	: Male, M12 × 1, Straight, A-coded
Number of Pins	: 4
Contacts	: Brass, Gold-plated
Contact Carriers	: PA
Coupling Nut/screw	: Brass, Nickel-plated
Connector body	: PUR Black
Locking mode	: Screw
Mechanical lifespan	: ≥100 Mating cycles
Pollution degree	: 3
Protection Class	: IP67, (screwed together)
Standard	: IEC 61076-2

Cable

Cable diameter	: Ø 5mm ± 0.2mm
Cable length	: 2m
Cable jacket	: PUR, Black

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Core insulation : PVC
 Core cross-section : 4 × 0.34mm²
 Shielded : NO
 Core colors : 1-BN, 2-WH, 3-BU, 4-BK

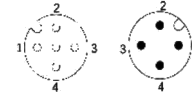
Electrical properties at +20°C

Rated Voltage : 250V
 Contact resistance : ≤ 5 MΩ
 Current : 4A
 Insulation resistance : ≥10⁹Ω
 Max. conductor resistance : max. 55.4 Ω/km

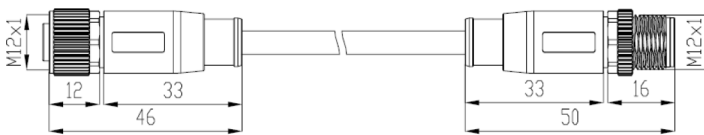
Mechanical and chemical properties

Bending radius (stationary installation) : ≥ 5 x Ø
 Bending radius (flexible use) : ≥ 10 x Ø
 Ambient temperature range (stationary) : -25°C to 80°C
 Ambient temperature range (In motion) : -5°C to 80°C
 Approvals : cULus, CE

Contact assignment



Diagram



Connection diagram

CNI	Core colors
1	BN
2	WH
3	BU
4	BK

Dimensions : Millimetres

Part Number Table

Description	Part Number
M12 Sensor Cable, Female M12 to Male M12, PUR, A-Coding, 4 Pins, 2m	MP011275

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