

# M12 Sensor Cable Assembly

## Female M12 - Male M12

**multicomp**<sup>PRO</sup>

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: 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 :  $4 \times 0.34\text{mm}^2$   
Shielded : NO  
Core Colours : 1-BN, 2-WH, 3-BU, 4-BK

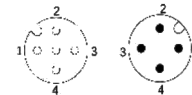
### Electrical properties at +20°C

Rated Voltage : 250V  
Contact resistance :  $\leq 5 \text{ M}\Omega$   
Current : 4A  
Insulation resistance :  $\geq 10^9 \Omega$   
Max. Conductor resistance : max.  $55.4 \Omega/\text{km}$

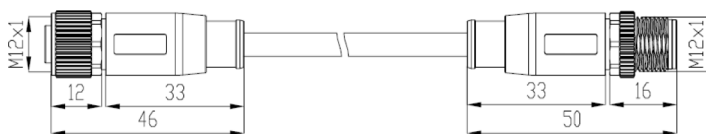
### Mechanical and Chemical Properties

Bending radius (stationary installation) :  $\geq 5 \times \varnothing$   
Bending radius (flexible use) :  $\geq 10 \times \varnothing$   
Ambient temperature range (stationary) : -25°C to 80°C  
Ambient temperature range (In motion) : -5°C to 80°C  
Approvals : CE

### Contact assignment



### Diagram



### Connection diagram

CNI	Core colors
1	BN
2	WH
3	BU
4	BK

### Part Number Table

Dimensions : Millimetres

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

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