MURR ELEKTRONIK
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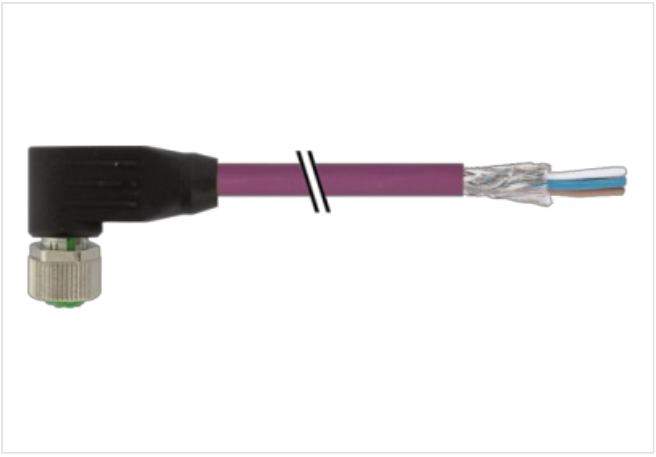
**M12 female 90° B-cod. with cable shielded**

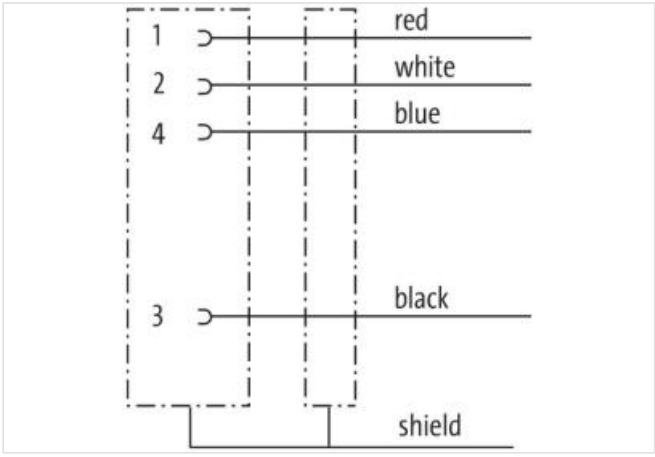
PUR AWG24+22 shielded vt UL/CSA+drag ch. 1m

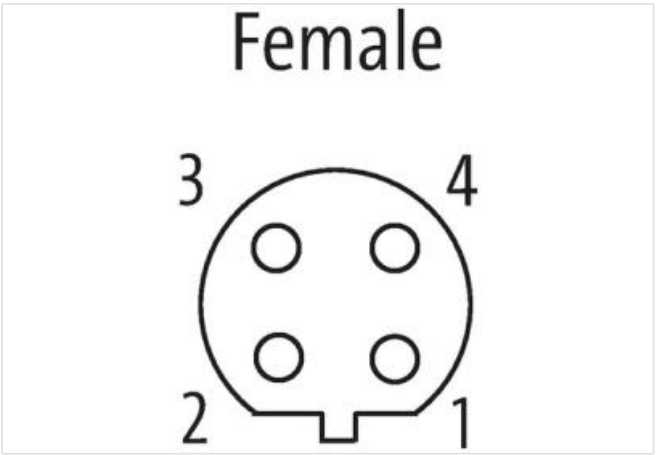
Female 90°
M12, 4-pole
B-coded
shielded
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

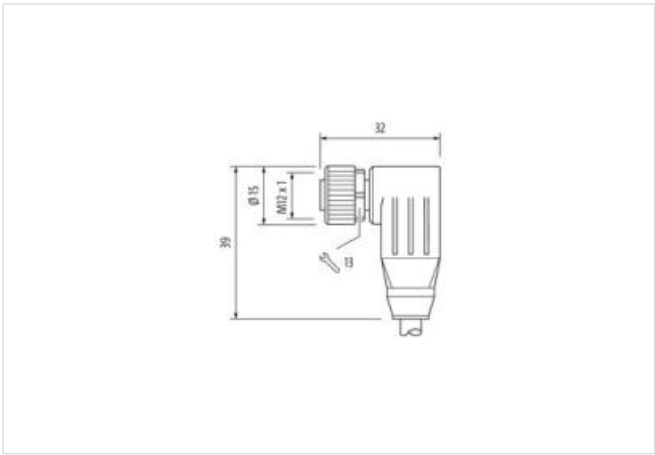
## Link to Product

### Illustration






Product may differ from Image

| | |
|---|---|
| Cable length | 1 m |

### Side 1

| | |
|---|---|
| Tightening torque | 0,6 Nm |

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| | |
|---|---|
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | B |
| Material | PUR |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP67 |
| **Side 2** | |
| Stripping length (jacket) | 20 mm |
| **Commercial data** | |
| ECLASS-6.0 | 27061801 |
| ECLASS-6.1 | 27060307 |
| ECLASS-7.0 | 27060307 |
| ECLASS-8.0 | 27060307 |
| ECLASS-9.0 | 27060307 |
| ECLASS-10.1 | 27060307 |
| ECLASS-11.1 | 27060307 |
| ECLASS-12.0 | 27060307 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879626668 |
| Packaging unit | 1 |
| **Electrical data \| Supply** | |
| Operating voltage AC max. | 60 V |
| Operating voltage DC max. | 60 V |
| Current operating per contact max. | 4 A |
| **Installation \| Connection** | |
| Stripping length (jacket) | 20 mm |
| Mounting set | M12 x 1 |
| **Device protection \| Electrical** | |
| Pollution Degree | 3 |
| Rated surge voltage | 1,5 kV |
| Material group (IEC 60664-1) | I |
| **Mechanical data \| Material data** | |
| Coating locking | Nickeled |
| Coating of fitting | nickel plated |
| Locking material | Zinc die-casting |
| Material screw connection | Zinc die-casting |
| **Mechanical data \| Mounting data** | |
| Mounting method | inserted, screwed, Shaking protection |
| **Environmental characteristics \| Climatic** | |
| Operating temperature min. | -25 °C |
| Operating temperature max. | 85 °C |
| Additional condition temperature range | depending on cable quality |
| **Conformity** | |
| Product standard | DIN EN 61076-2-101 (M12) |
| **Installation \| Cable** | |
| Cable identification | 803 |
| Jacket Color | violet |
| Type of Certificate | cURus |

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| | |
|---|---|
| Amount stranding | 1 |
| Stranding | 2 wires twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 2 Stranded joints twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 65 % |
| Banding | Foil |
| Drain wire (cross-section) | 22 AWG |
| wire arrangement | (white, blue), (black, red) |
| Cable weigth | 63,12 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 90 ± 5 Shore A |
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket) | 6,9 mm |
| No. of bending cycles (C-track) | 1 Mio. |
| Tolerance outer diameter (sheath) | ± 5 % |
| Material wire insulation | PE |
| Amount wires | 2 |
| Outer diameter insulation | 2,1 mm |
| Outer diameter tolerance core insulation | ± 5 % |
| Shore hardness wire insulation | 64 ± 5 Shore D |
| Ingredient freeness wire insulation | lead-free, CFC-free, halogen-free |
| Amount strands (wire) | 19 |
| Diameter of single wires | 24 AWG |
| Conductor crosssection (wire) | 24 AWG |
| Drain wire (cross-section) | 22 AWG |
| Material conductor wire | copper stranded wire, tinned |
| Electrical function wire | Data |
| Material wire insulation (Data) | PE |
| Outer diameter wire insulation (Data) | 1,5 mm |
| Tolerance outer diameter wire insulation (data) | ± 53 % |
| Ingredient freeness wire insulation (Data) | lead-free, CFC-free, halogen-free |
| Amount wires (Data) | 2 |
| Amount strands wire (Data) | 19 |
| Diameter of single wires (Data) | 22 AWG |
| Conductor crosssection wire (Data) | 22 AWG |
| Material conductor wire (Data) | copper stranded wire, tinned |
| Electrical function wire (data) | Power |
| Traversing distance (C-track) | 5 m |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 4,5 A |
| Current load capacity min. Wire (Data) | 6 A |
| Electrical function wire | Data |
| Electrical function wire (data) | Power |
| Characteristic impedance | 120 Ω ± 10 % @ 1 MHz |
| Electrical resistance line constant wire | 78 Ω/km |
| Electrical resistance coating wire (Data) | 54 Ω/km |
| Nominal voltage power AC max. | 300 V |
| Electric capacitance (power) | 40000 pF/km |
| AC withstand voltage power (wire - shield) | 2 kV @ 60 s |
| AC withstand voltage power (wire - wire) | 2 kV @ 60 s |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 80 °C |

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| | |
|---|---|
| Operating temperature min. (dynamic) | -30 °C |
| Operating temperature max. (dynamic) | 70 °C |
| Flame resistance | UL 1581 § 1100 FT2 \| IEC 60332-2-2 \| UL 1581 § 1090 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | DIN EN 60811-404 \| Good, application-related testing |
| Bending radius (installation) | x Outer diameter |
| Bending radius (fixed) | 6 x Outer diameter |
| Bending radius (dynamic) | 10 x Outer diameter |
| No. of torsion cycles | 2 Mio. |
| Torsion speed | 35 cycles/min |
| Torsion stress | ± 30 °/m |

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