

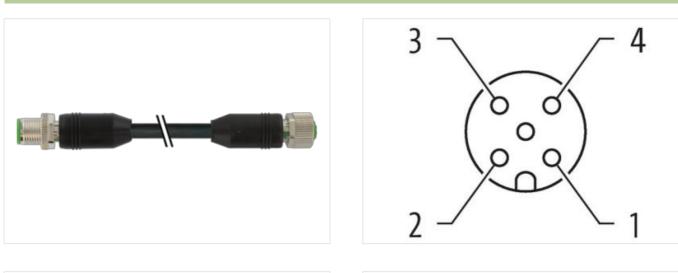
## M12 male $0^\circ$ / M12 female $0^\circ$ A-cod. shielded

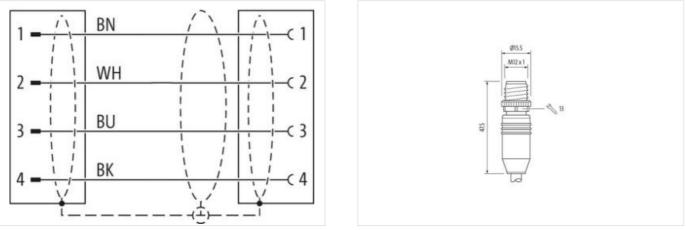
PUR 4x0.34 shielded bk UL/CSA+drag ch. 6m

Male straight – female straight M12 – M12, 4-pole 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

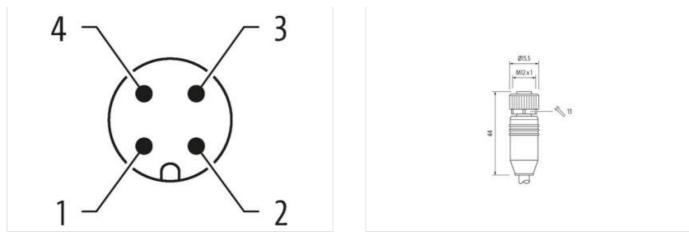
Illustration





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Product may differ from Image



| Cable length                        | 6 m               |
|-------------------------------------|-------------------|
| Side 1                              |                   |
| Tightening torque                   | 0,6 Nm            |
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Material                            | PUR               |
| Width across flats                  | SW13              |
| Degree of protection (EN IEC 60529) | IP65, IP67        |
| Side 2                              |                   |
| Tightening torque                   | 0,6 Nm            |
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Material                            | PUR               |
| Width across flats                  | SW13              |
| Commercial data                     |                   |
| ECLASS-6.0                          | 27279218          |
| ECLASS-7.0                          | 27279218          |
| ECLASS-8.0                          | 27279218          |
| ECLASS-9.0                          | 27060311          |
| ECLASS-10.1                         | 27060311          |
| ECLASS-11.1                         | 27060311          |
| ECLASS-12.0                         | 27060311          |
| ETIM-5.0                            | EC001855          |
| customs tariff number               | 85444290          |
| GTIN                                | 4048879584487     |
| Packaging unit                      | 1                 |
| Electrical data   Supply            |                   |
| Operating voltage AC max.           | 60 V              |
| Operating voltage DC max.           | 60 V              |
| Operating voltage AC (UL-listed)    | 30 V              |

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| Operating voltage DC (UL-listed)                         | 30 V   |
|--|--|
| Current operating per contact max.                       | 4 A  |
| Installation   Connection                                |  |
| Mounting set   | M12 x 1  |
| ,<br>,   |  |
| Device protection   Electrical                           |  |
| Additional condition protection degree                   | inserted, screwed  |
| 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   |
| Important installation notes                             |  |
| •  | Distant the connectors by quitable measures from mechanical loads or a by the years of eable tice  |
| Note on strain relief                                    | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention:         Observe the permissible bending radii when laying cables, as the IP protection class can be |
| Note on bending radius                                   | endangered by excessive bending forces.  |
| Conformity   |  |
| Product standard   | DIN EN 61076-2-101 (M12)   |
| Installation   Cable                                     |  |
| Cable identification                                     | 641  |
| Cable Type   | 3  |
| Jacket Color   | black  |
| Type of Certificate                                      | cURus  |
| Amount stranding   | 1  |
| Stranding  | 4 wires twisted  |
| Cable shielding (type)                                   | copper braid, tinned   |
| Cable shielding (coverage)                               | 80 %   |
| Banding  | Fleece, Foil   |
| wire arrangement   | brown, black, blue, white  |
| Traversing distance (C-track)                            | 5 m @ 25 °C   horizontal   |
| Cable weigth   | 50,6 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)                                  | 5,3 mm   |
| Tolerance outer diameter (sheath)                        | ±5%  |
| Material wire insulation                                 | PP   |
| Amount wires   | 4  |
| Outer diameter insulation                                | 1,25 mm  |
| Outer diameter tolerance core insulation                 | ±5%  |
| Shore hardness wire insulation                           | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation                      | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |
| Amount strands (wire)                                    | 42<br>0.1 mm   |
| Diameter of single wires                                 | 0,1 mm   |
| Conductor crosssection (wire)<br>Material conductor wire | 0,34 mm <sup>2</sup> Stranded copper wire, bare  |
|  | otranueu cupper wire, bare   |

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| Conductor type (wire)                             | strand class 6                                       |
|---|--|
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 4,8 A  |
| Electrical resistance line constant wire          | 57 Ω/km @ 20 °C                                      |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| AC withstand voltage (wire - shield)              | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                    |
| Operating temperature min. (dynamic)              | -25 °C   |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                    |
| UV resistance                                     | DIN EN ISO 4892-2 A                                  |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |
| Travel speed (C-track)                            | 5 Mio. @ 25 °C                                       |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 30 °/m   |
| Torsion speed                                     | 35 cycles/min  |

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