

### M12 female 0° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 16m

PROFIBUS

Female straight

M12, 2-pole

B-coded

shielded

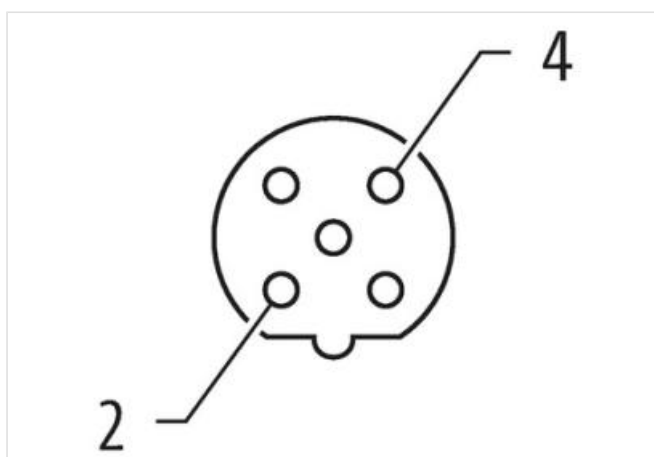
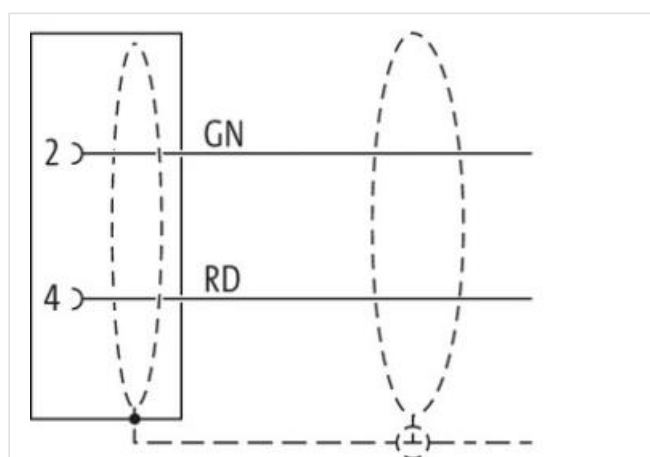
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

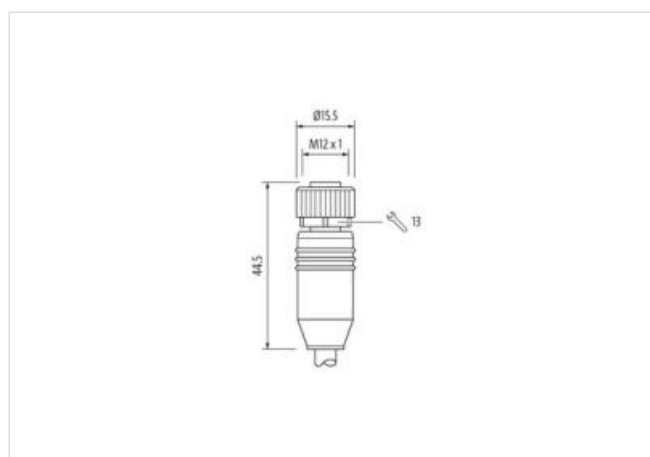
Further cable lengths on request.

### [Link to Product](#)

#### Illustration



Product may differ from Image



Cable length

16 m

Side 1

|                                          |                                                                                                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Tightening torque                        | 0,6 Nm                                                                                              |
| 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)      | IP65, IP66K, IP67                                                                                   |
| Side 2                                   |                                                                                                     |
| Stripping length (jacket)                | 20 mm                                                                                               |
| 取引条件                                     |                                                                                                     |
| 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                                                                                            |
| GTIN                                     | 4048879198073                                                                                       |
| HSコード                                    | 85444290                                                                                            |
| 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                                                                                                |
| Operating voltage DC (UL-listed)         | 30 V                                                                                                |
| Current operating per contact max.       | 4 A                                                                                                 |
| Installation   Connection                |                                                                                                     |
| Stripping length (jacket)                | 20 mm                                                                                               |
| Mounting set                             | M12 x 1                                                                                             |
| Device protection   Electrical           |                                                                                                     |
| Additional condition protection degree   | inserted, screwed                                                                                   |
| 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                                                                          |
| Important installation notes             |                                                                                                     |
| Note on strain relief                    | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |

Note on bending radius

**Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

| Conformity                                        |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| Product standard                                  | DIN EN 61076-2-101 (M12)                                       |
| Installation   Cable                              |                                                                |
| Cable identification                              | 840                                                            |
| Jacket Color                                      | violet                                                         |
| Type of Certificate                               | cURus                                                          |
| Amount stranding                                  | 1                                                              |
| Stranding                                         | 2 wires twisted                                                |
| Cable shielding (type)                            | copper braid, tinned                                           |
| Cable shielding (coverage)                        | 70 %                                                           |
| Banding                                           | Fleece, Foil                                                   |
| wire arrangement                                  | red, green                                                     |
| Traversing distance (C-track)                     | 5 m @ 25 °C   horizontal                                       |
| Cable weigth                                      | 82,5 g/m                                                       |
| Material jacket                                   | TPE-V                                                          |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 7,8 mm                                                         |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                          |
| Material inner jacket                             | TPE-V                                                          |
| Color (inner jacket)                              | white                                                          |
| Amount wires                                      | 2                                                              |
| Outer diameter insulation                         | 2,55 mm                                                        |
| Outer diameter tolerance core insulation          | ± 5 %                                                          |
| 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                                                         |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Nominal voltage AC max.                           | 250 V                                                          |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                   | 3 A                                                            |
| Electrical resistance line constant wire          | 78 Ω/km @ 20 °C                                                |
| AC withstand voltage (wire - wire)                | 1 kV @ 60 s                                                    |
| Electrical capacity line constant (wire - wire)   | 30000 pF/km                                                    |
| Power frequency withstand voltage (wire - jacket) | 1 kV @ 60 s                                                    |
| AC withstand voltage (wire - shield)              | 1 kV @ 60 s                                                    |
| Min. operating temperature (static)               | -40 °C                                                         |
| Max. operating temperature (fixed)                | 80 °C                                                          |
| Operating temperature min. (dynamic)              | -20 °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                                    | Good, application-related testing   DIN EN 60811-404           |
| Bending radius (fixed)                            | 10 x Outer diameter                                            |
| Bending radius (dynamic)                          | 12 x Outer diameter                                            |
| Travel speed (C-track)                            | 5 Mio. @ 25 °C                                                 |