

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

PUR 3x2x0.25 shielded vt 1.5m

Interbus

Male straight

M12, 5-pole

B-coded

shielded

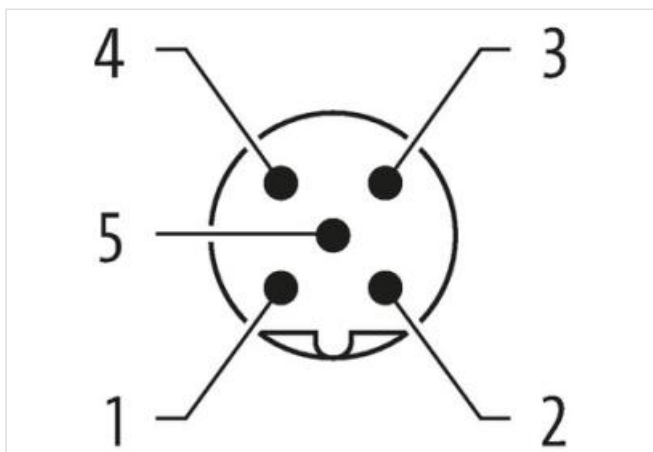
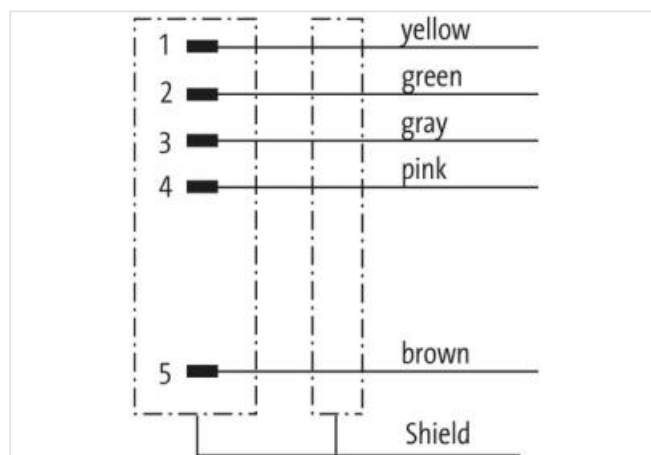
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

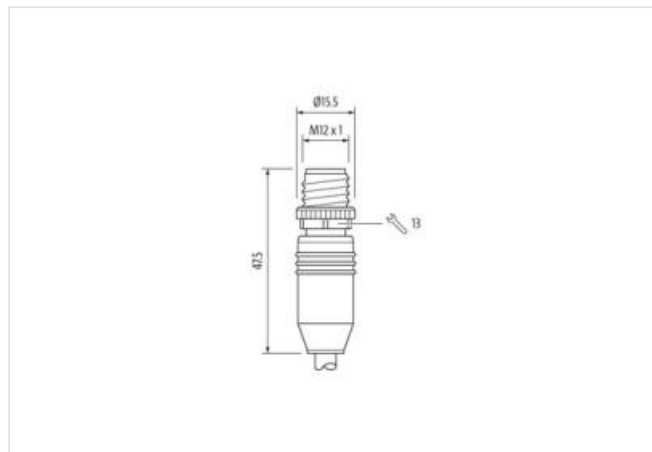
The resistance to aggressive media should be individually tested for your application. Further details on request.

## Linkki tuotteeseen

### Kuvat



Tuote voi erota kuvassa olevasta



Cable length

1,5 m

Side 1

|                                     |                   |
|-------------------------------------|-------------------|
| Tightening torque                   | 0,6 Nm            |
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Coding                              | B                 |
| Material                            | PUR               |
| No. of poles                        | 5                 |
| Width across flats                  | SW13              |
| Degree of protection (EN IEC 60529) | IP67              |

#### Kaupalliset tiedot

|             |               |
|-------------|---------------|
| 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        | 4048879197694 |
| Pakkauskoko | 1             |
| Tullinumero | 85444290      |

#### Electrical data | Supply

|                                    |      |
|------------------------------------|------|
| Operating voltage AC max.          | 60 V |
| Operating voltage DC max.          | 60 V |
| Current operating per contact max. | 4 A  |

#### Installation | Connection

|              |         |
|--------------|---------|
| 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 |

#### Conformity

|                  |                          |
|------------------|--------------------------|
| Product standard | DIN EN 61076-2-101 (M12) |
|------------------|--------------------------|

#### Installation | Cable

|                      |        |
|----------------------|--------|
| Cable identification | 799    |
| Jacket Color         | violet |
| Amount stranding     | 3      |

|                                                         |                                                                |
|---------------------------------------------------------|----------------------------------------------------------------|
| Stranding                                               | 2 wires twisted                                                |
| Amount stranding (type 2)                               | 1                                                              |
| Stranding (type 2)                                      | 3 Stranded joints with 3 Filler twisted                        |
| Cable shielding (type)                                  | copper braid, tinned                                           |
| Cable shielding (coverage)                              | 85 %                                                           |
| Banding                                                 | Fleece                                                         |
| Filler                                                  | yes                                                            |
| wire arrangement                                        | (white, brown), (gray, pink), (green, yellow)                  |
| No. of bending cycles (C-track)                         | 2 Mio. @ 25 °C                                                 |
| Cable weighth                                           | 76,49 g/m                                                      |
| Material jacket                                         | PUR                                                            |
| Shore hardness jacket                                   | 85 ± 5 Shore A                                                 |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                                 | 7,7 mm                                                         |
| Tolerance outer diameter (sheath)                       | ± 5 %                                                          |
| Material wire insulation                                | PE                                                             |
| Amount wires                                            | 6                                                              |
| Outer diameter insulation                               | 1,4 mm                                                         |
| Outer diameter tolerance core insulation                | ± 5 %                                                          |
| Shore hardness wire insulation                          | 55 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation                     | lead-free, CFC-free, halogen-free                              |
| Amount strands (wire)                                   | 32                                                             |
| Diameter of single wires                                | 0,1 mm                                                         |
| Conductor crosssection (wire)                           | 0,25 mm²                                                       |
| Material conductor wire                                 | Stranded copper wire, bare                                     |
| Conductor type (wire)                                   | strand class 6                                                 |
| Traversing distance (C-track)                           | 5 m @ 25 °C                                                    |
| Current load capacity (standard)                        | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                         | 3,2 A                                                          |
| Characteristic impedance                                | 100 Ω ± 15 % @ 1 MHz                                           |
| Electrical resistance line constant wire                | 79,5 Ω/km @ 20 °C                                              |
| Nominal voltage power AC max.                           | 125 V                                                          |
| Electrical capacity line constant (wire - wire) (power) | 60000 pF/km                                                    |
| AC withstand voltage power (wire - shield)              | 1,5 kV @ 60 s                                                  |
| Power frequency withstand voltage power (wire - jacket) | 1,5 kV @ 60 s                                                  |
| AC withstand voltage power (wire - wire)                | 1,5 kV @ 60 s                                                  |
| Min. operating temperature (static)                     | -40 °C                                                         |
| Max. operating temperature (fixed)                      | 80 °C                                                          |
| Operating temperature min. (dynamic)                    | -30 °C                                                         |
| Operating temperature max. (dynamic)                    | 70 °C                                                          |
| Flame resistance                                        | IEC 60332-2-2   UL 1581 § 1100 FT2   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)                                  | 6 x Outer diameter                                             |
| Bending radius (dynamic)                                | 12 x Outer diameter                                            |