

**M12 female 0° D-cod. with cable shielded**

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 3m

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Female straight

M12, 4-pole

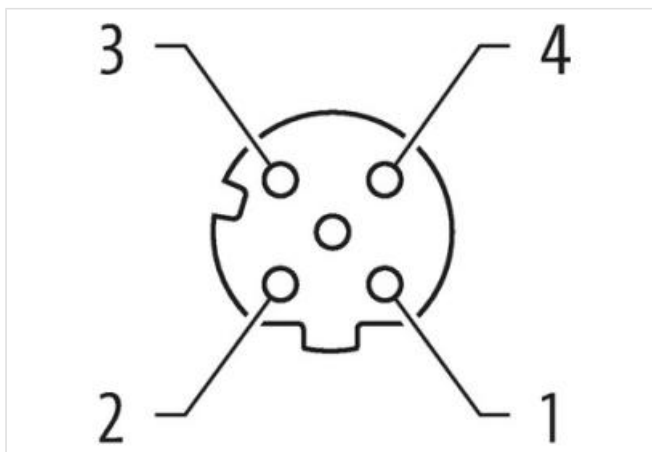
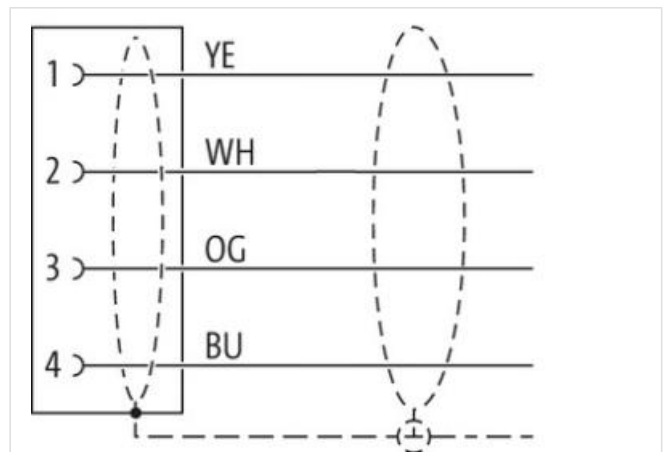
D-coded

shielded

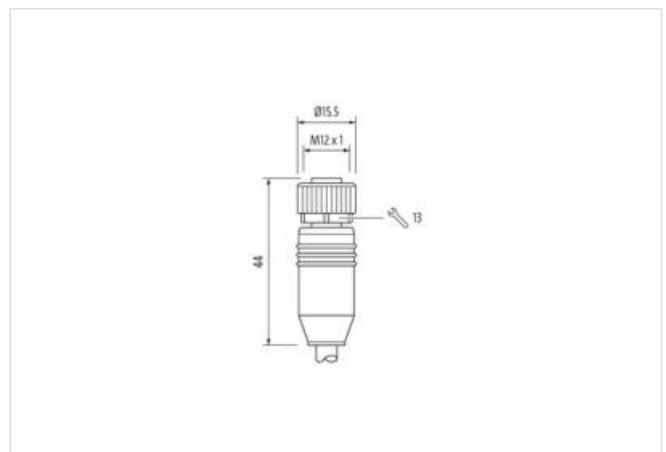
Further cable lengths on request.

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.

[Link to Product](#)**Illustration**

Product may differ from Image



Cable length

3 m

|  |  |
|--|--|
| <b>Side 1</b>  |  |
| Tightening torque  | 0,6 Nm   |
| Mounting method  | inserted, screwed                                |
| Family construction form                                 | M12  |
| Thread   | M12 x 1  |
| Coding   | D  |
| Material   | PUR  |
| Width across flats                                       | SW13   |
| Degree of protection (EN IEC 60529)                      | IP65, IP66K, IP67                                |
| <b>Commercial data</b>                                   |  |
| 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   | 4048879821339                                    |
| Packaging unit   | 1  |
| <b>Electrical data   Supply</b>                          |  |
| Operating voltage DC max.                                | 60 V   |
| Operating voltage DC max. (UL-listed)                    | 30 V   |
| Current operating per contact max.                       | 1,5 A  |
| <b>Industrial communication</b>                          |  |
| Transfer parameters                                      | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max.                              | 100 MBit/s                                       |
| <b>Industrial communication   Ethernet functionality</b> |  |
| duplex   | Full duplex                                      |
| <b>Installation   Connection</b>                         |  |
| Mounting set   | M12 x 1  |
| <b>Device protection   Electrical</b>                    |  |
| Additional condition protection degree                   | inserted, screwed                                |
| Pollution Degree   | 3  |
| Rated surge voltage                                      | 1,5 kV   |
| Material group (IEC 60664-1)                             | I  |
| <b>Mechanical data   Material data</b>                   |  |
| Coating locking  | Nickeled   |
| Coating of fitting                                       | nickel plated                                    |
| Locking material   | Zinc die-casting                                 |
| Material screw connection                                | Zinc die-casting                                 |
| <b>Mechanical data   Mounting data</b>                   |  |
| Mounting method  | inserted, screwed, Shaking protection            |
| <b>Environmental characteristics   Climatic</b>          |  |
| Operating temperature min.                               | -25 °C   |
| Operating temperature max.                               | 85 °C  |
| Additional condition temperature range                   | depending on cable quality                       |
| <b>Conformity</b>  |  |

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

| Installation   Cable                                    |  |
|---|--|
| Cable identification                                    | 796  |
| Jacket Color  | green  |
| Type of Certificate                                     | cURus  |
| Amount stranding  | 1  |
| Stranding   | 4 wires around Core filler twisted                             |
| Cable shielding (type)                                  | copper braid, tinned   |
| Cable shielding (coverage)                              | 85 %   |
| Banding   | Fleece, Foil   |
| Filler  | yes  |
| wire arrangement  | white, yellow, blue, orange                                    |
| No. of bending cycles (C-track)                         | 3 Mio. @ 25 °C   |
| Cable weight  | 69,3 g/m   |
| Material jacket   | PUR  |
| Shore hardness jacket                                   | 89 Shore A   |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                                 | 6,7 mm   |
| Tolerance outer diameter (sheath)                       | ± 5 %  |
| Material inner jacket                                   | FRNC   |
| Color (inner jacket)                                    | natur  |
| Material wire insulation                                | PE   |
| Amount wires  | 4  |
| Outer diameter insulation                               | 1,4 mm   |
| Outer diameter tolerance core insulation                | ± 5 %  |
| Shore hardness wire insulation                          | 65 Shore D   |
| Ingredient freeness wire insulation                     | lead-free, CFC-free, halogen-free                              |
| Amount strands (wire)                                   | 7  |
| Diameter of single wires                                | 22 AWG   |
| Conductor crosssection (wire)                           | 22 AWG   |
| Material conductor wire                                 | Stranded copper wire, bare                                     |
| Traversing distance (C-track)                           | 5 m @ 25 °C  |
| Current load capacity (standard)                        | to DIN VDE 0298-4  |
| Current load capacity min. wire                         | 4,8 A  |
| Characteristic impedance                                | 100 Ω ± 15 % @ 100 MHz   |
| Electrical resistance line constant wire                | 55 Ω/km @ 20 °C  |
| Loop resistance   | 5000 MΩ × km   |
| Nominal voltage power AC max.                           | 300 V  |
| Electrical capacity line constant (wire - wire) (power) | 50000 pF/km  |
| AC withstand voltage power (wire - shield)              | 2 kV @ 60 s  |
| Power frequency withstand voltage power (wire - jacket) | 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  |
| Operating temperature min. (dynamic)                    | -30 °C   |
| Operating temperature max. (dynamic)                    | 70 °C  |
| 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)                                | 12 x Outer diameter  |

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-20

Murrelektronik A.S. | Christian August Thorings vei 7 | 4033 Stavanger | Fon +47 32 1790-80 | Fax +47 32 1790-90 | shop@murrelektronik.no | shop.murrelektronik.no

|                       |              |
|-----------------------|--------------|
| No. of torsion cycles | 1 Mio. 25 °C |
| Torsion stress        | ± 180 °/m    |