

**M12 female recept. D-cod. shielded rear**

PUR 1x4xAWG22 shielded gn UL/CSA 1m

Ethernet CAT5

Flange female

M12, 4-pole

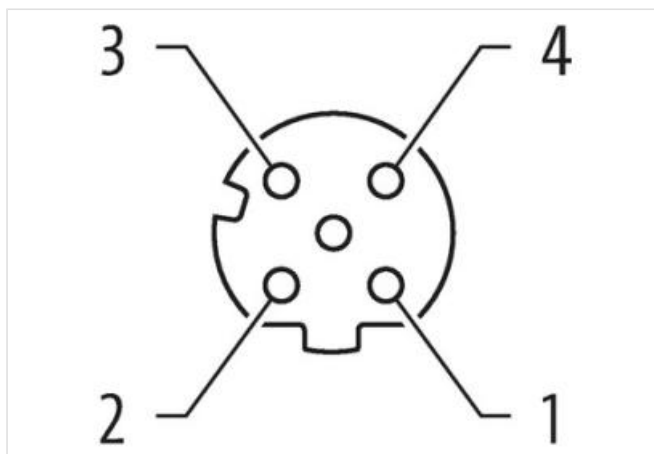
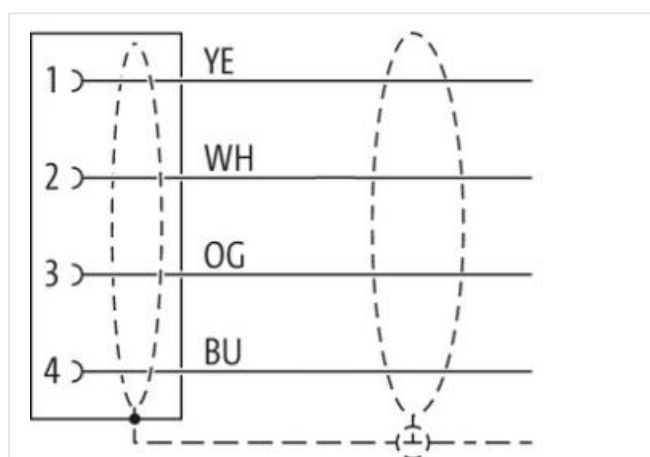
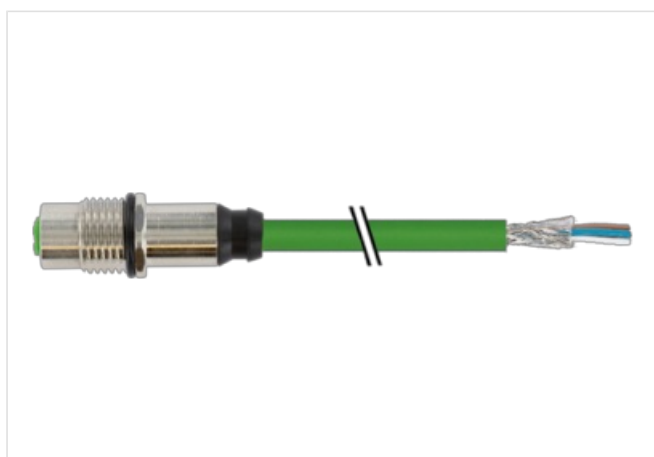
D-coded

shielded

Rear mounting

Further cable lengths on request.

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

1 m

**Side 1**

|                                                   |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| Tightening torque                                 | 0,6 Nm                                           |
| Mounting method                                   | inserted, screwed                                |
| Family construction form                          | M12                                              |
| Thread                                            | M12 x 1                                          |
| Coding                                            | D                                                |
| Material                                          | Brass                                            |
| Degree of protection (EN IEC 60529)               | IP67                                             |
| 取引条件                                              |                                                  |
| ECLASS-6.0                                        | 27279220                                         |
| ECLASS-6.1                                        | 27279220                                         |
| ECLASS-7.0                                        | 27440103                                         |
| ECLASS-8.0                                        | 27440103                                         |
| ECLASS-9.0                                        | 27440103                                         |
| ECLASS-10.1                                       | 27440103                                         |
| ECLASS-11.1                                       | 27440103                                         |
| ECLASS-12.0                                       | 27440103                                         |
| ETIM-5.0                                          | EC001855                                         |
| GTIN                                              | 4048879553346                                    |
| HSコード                                             | 85444290                                         |
| Packaging unit                                    | 1                                                |
| Electrical data   Supply                          |                                                  |
| Operating voltage DC max.                         | 60 V                                             |
| Current operating per contact max.                | 1,5 A                                            |
| Industrial communication                          |                                                  |
| Transfer parameters                               | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max.                       | 100 MBit/s                                       |
| Industrial communication   Ethernet functionality |                                                  |
| duplex                                            | Full duplex                                      |
| Installation   Connection                         |                                                  |
| Mounting set                                      | M16 x 1.5                                        |
| Width across flats                                | SW19                                             |
| Device protection   Electrical                    |                                                  |
| Protection NEMA                                   | 3, 4, 6P                                         |
| 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                                   | nickel plated                                    |
| Coating of fitting                                | nickel plated                                    |
| Locking material                                  | Brass                                            |
| Material screw connection                         | Brass                                            |
| Mechanical data   Mounting data                   |                                                  |
| Mounting method                                   | Schraubgewinde                                   |
| Looking techniques                                | Schraubgewinde                                   |
| 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 | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

| Approvals                                         |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| UL 50E                                            | yes                                                            |
| Installation   Cable                              |                                                                |
| Cable identification                              | 794                                                            |
| Jacket Color                                      | green                                                          |
| Type of Certificate                               | cURus                                                          |
| Amount stranding                                  | 1                                                              |
| Stranding                                         | 4 wires around Filler twisted                                  |
| Cable shielding (type)                            | copper braid, tinned                                           |
| Cable shielding (coverage)                        | 85 %                                                           |
| Banding                                           | Fleece, Foil                                                   |
| Filler                                            | yes                                                            |
| wire arrangement                                  | white, yellow, blue, orange                                    |
| Cable weighth                                     | 75,87 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)                              | white                                                          |
| Material wire insulation                          | PE                                                             |
| Amount wires                                      | 4                                                              |
| Outer diameter insulation                         | 1,55 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 crossection (wire)                      | 22 AWG                                                         |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Nominal voltage AC max.                           | 300 V                                                          |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                   | 4,8 A                                                          |
| Characteristic impedance                          | 100 Ω ± 15 %                                                   |
| Electrical resistance line constant wire          | 55 Ω/km @ 20 °C                                                |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                                    |
| Electrical capacity line constant (wire - wire)   | 52000 pF/km                                                    |
| 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                                                          |
| Operating temperature min. (dynamic)              | -30 °C                                                         |
| Operating temperature max. (dynamic)              | 70 °C                                                          |
| Flame resistance                                  | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2            |
| 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