

**M12 male 90° / M12 female, 0°, shielded, Ethernet**

PUR 2x2xAWG22 shielded gn UL/CSA+dragchain 6m

Ethernet CAT5

Male 90° – female straight

M12 – M12, 4-pole

D-coded

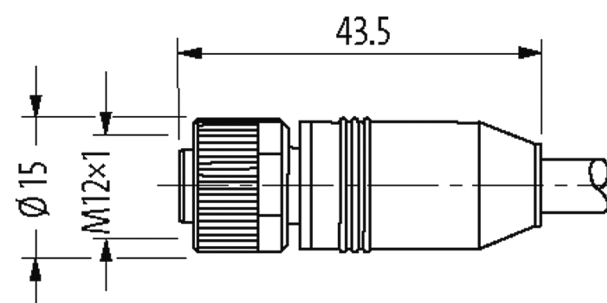
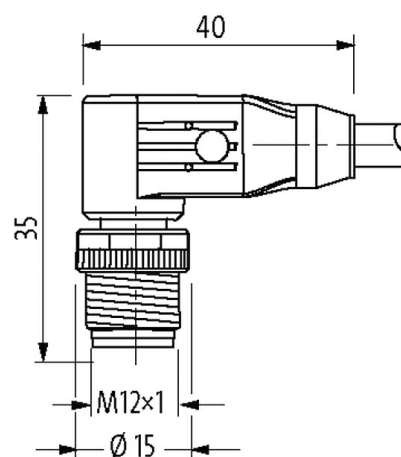
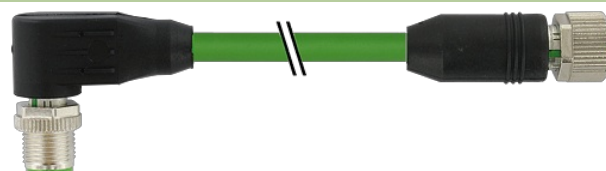
shielded

Transmission properties with channel transmission up to 100 m

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.

**Illustration**

Product may differ from Image

**Approvals**

\* only for products with UL/CSA approved cable

## More Info

EtherNet/IP

EtherCAT

PROFI  
NET

## Form

Form 44581

## Cables

|                                 |                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------|
| No./diameter of wires           | 2× 2× 0.34 mm <sup>2</sup>                                                                                   |
| Wire isolation                  | PE (wh, ye, bl, or)                                                                                          |
| C-track properties              | 3 Mio.                                                                                                       |
| Jacket Color                    | green                                                                                                        |
| Material (jacket)               | PUR (UL/CSA)                                                                                                 |
| Outer Ø                         | 6.7 mm ±5%                                                                                                   |
| Bend radius (moving)            | 12× outer Ø                                                                                                  |
| Temperature range (fixed)       | -40...+80 °C                                                                                                 |
| Temperature range (mobile)      | -30...+70 °C                                                                                                 |
| Cable identification            | 796                                                                                                          |
| Approval (cable)                | UL (AWM-Style 20233/11602), CSA; CE                                                                          |
| Cable weight [g/m]              | 69,3                                                                                                         |
| Material (wire)                 | Cu wire, bare                                                                                                |
| Resistor (core)                 | max. 55 Ω/km (20 °C)                                                                                         |
| Diameter (core)                 | 2× 2× AWG22                                                                                                  |
| Material (wire isolation)       | PE                                                                                                           |
| Wire-Ø incl. isolation          | 1.4 mm ±5%                                                                                                   |
| Color/numbering of wires        | wh, ye, bl, or                                                                                               |
| Shield                          | yes                                                                                                          |
|                                 | min. 85%                                                                                                     |
| Material (jacket)               | PUR                                                                                                          |
| Outer-Ø (jacket)                | 6.7 mm ±5%                                                                                                   |
| Color (jacket)                  | green                                                                                                        |
| thermal resistance              | flammwidrig nach UL 1581 Section 1060 (FT1), Section 1061 (cable flame), Section 1080 (VW-1) / IEC 60332-1-2 |
| Nominal voltage                 | 300 V                                                                                                        |
| Temperature range (fixed)       | -40...+80 °C                                                                                                 |
| Temperature range (mobile)      | -30...+70 °C                                                                                                 |
| Bend radius (fixed)             | 5× outer Ø                                                                                                   |
| Bend radius (moving)            | 12× outer Ø                                                                                                  |
| No. of bending cycles (C-track) | max. 3 Mio. (25 °C)                                                                                          |
| Traversing distance (C-track)   | max. 5 m (horizontal)                                                                                        |
| Travel speed (C-track)          | max. 3.3 m/s                                                                                                 |
| Acceleration (C-track)          | max. 2 m/s <sup>2</sup>                                                                                      |

## Technical Data

|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| Operating voltage                  | max. 60 V DC                                     |
| Operating voltage (only UL listed) | max. 30 V DC                                     |
| Rated surge voltage                | 1.5 kV                                           |
| Operating current per contact      | max. 4 A                                         |
| Material group                     | IEC 60664-1, category I                          |
| Transfer parameters                | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |

|                                           |                                                                  |
|-------------------------------------------|------------------------------------------------------------------|
| Transfer rate                             | up to 100 Mbit/s full duplex                                     |
| Coding                                    | M12, D-coded                                                     |
| Locking of ports                          | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Compression gland                         | M12 (SW13)                                                       |
| Protection                                | IP65, IP66K, IP67 inserted and tightened (EN 60529)              |
| Locking material                          | Zinc die casting, matte nickel plated                            |
| Material                                  | PUR                                                              |
| suitable for corrugated tube (internal Ø) | without                                                          |

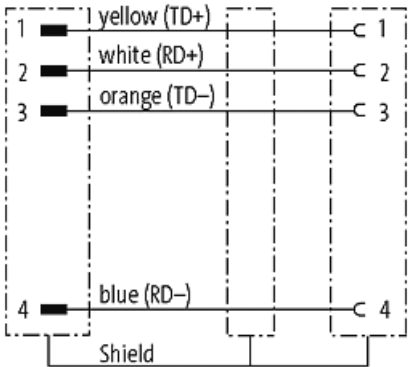
General data

|                   |                                          |
|-------------------|------------------------------------------|
| Standards         | DIN EN 61076-2-101 (M12)                 |
| Pollution Degree  | 3                                        |
| Temperature range | -25...+85 °C, depending on cable quality |

Commercial data

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879322119 |
| eClass                | 27061801      |
| Packaging unit        | 1             |

Sketch



Product may differ from Image