

**M12 male 0° /Push Pull RJ45, 45°, shielded**

PUR 2x2xAWG22 shielded gn UL/CSA+dragchain 1,5m

Ethernet CAT5

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

Male straight – male 90°

M12 – RJ45PP, 4-pole

D-coded

shielded

Push Pull

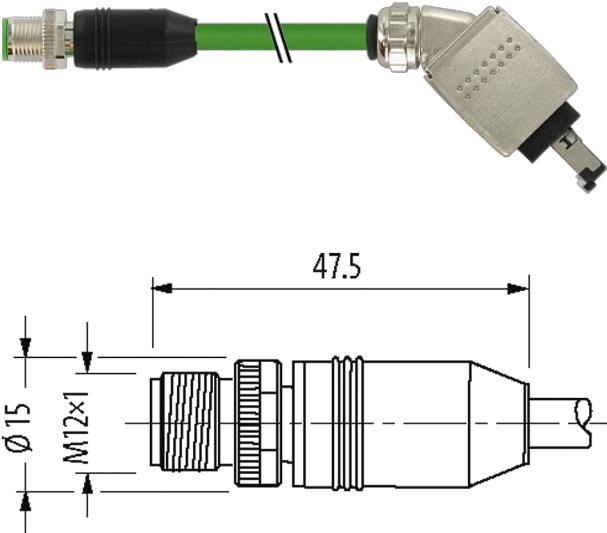
Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

[Link to Product](#)

Illustration



Product may differ from Image

Approvals



\* only for products with UL/CSA approved cable

More Info

EtherNet/IP

EtherCAT

PROFI  
NET

Form

Form 44735

General data

Standards DIN EN 61076-2-101 (M12)

Pollution Degree 3

Temperature range -25...+85 °C, depending on cable quality

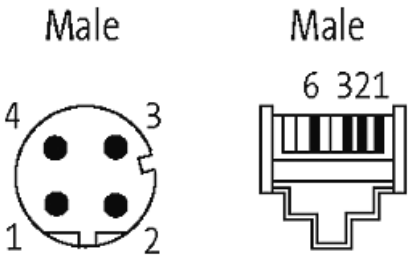
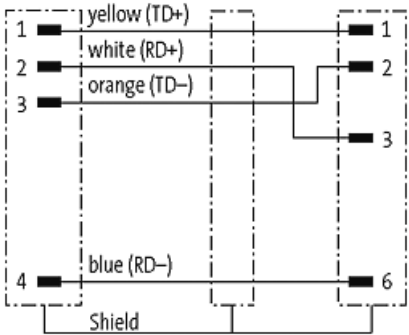
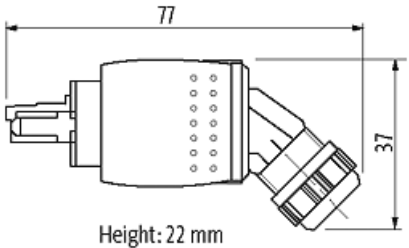
| Cables                             |                                                                                                              |
|------------------------------------|--------------------------------------------------------------------------------------------------------------|
| 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. 1.76 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 and IP67 when plugged and screwed down (EN 60529)                                                       |

|                                           |                                       |
|-------------------------------------------|---------------------------------------|
| Locking material                          | Zinc die casting, matte nickel plated |
| Material                                  | PUR                                   |
| suitable for corrugated tube (internal Ø) | without                               |

Commercial data

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444210      |
| EAN                   | 4048879468183 |
| eClass                | 27061801      |
| Packaging unit        | 1             |

Sketch



Product may differ from Image