

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

PUR 2x2xAWG22 shielded gn UL/CSA 10m

Ethernet CAT5

Male 90° – male straight

M12 – M12, 4-pole

D-coded

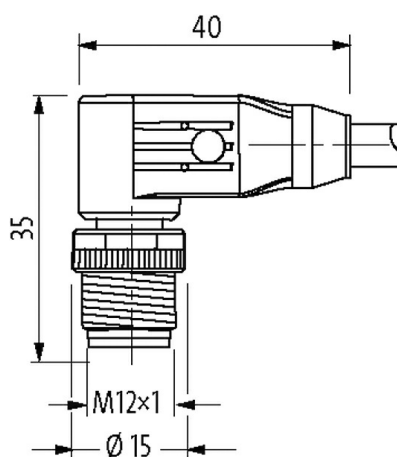
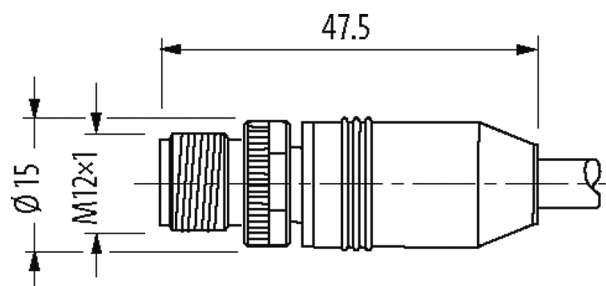
shielded

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**

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 10/20

EtherNet/IP

EtherCAT

PROFINET

**Form**

Form 44541

**Cables**

|                            |                                                |
|----------------------------|------------------------------------------------|
| No./diameter of wires      | 2× 2× AWG22/7 (0.355)                          |
| Wire isolation             | PE (wh, ye, bl, or)                            |
| 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       | 794                                            |
| Approval (cable)           | UL (AWM-Style 20233/10578), CSA; CE            |
| Cable weight [g/m]         | 75,87                                          |
| Material (wire)            | Cu wire, bare                                  |
| Resistor (core)            | max. 55 Ω/km (20 °C)                           |
| Construction (core)        | 7× 0.254 mm                                    |
| Diameter (core)            | 2× 2× AWG22/7 (0.355)                          |
| AWG                        | similar to AWG 22                              |
| Material (wire isolation)  | PE                                             |
| Wire-Ø incl. isolation     | 1.55 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                                          |
| chemical resistance        | good resistance to oil, gasoline and chemicals |
| thermal resistance         | flame retardant                                |
| Nominal voltage            | 300 V                                          |
| Temperature range (fixed)  | -40...+80 °C                                   |
| Temperature range (mobile) | -30...+70 °C                                   |
| Bend radius (fixed)        | 6× outer Ø                                     |
| Bend radius (moving)       | 12× outer Ø                                    |

**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                         | IP67 inserted and tightened (EN 60529)                           |

stay connected

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

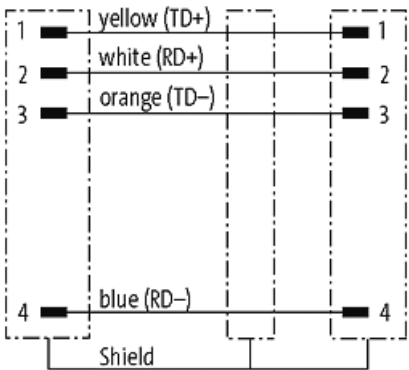
General data

|                   |                                          |
|-------------------|------------------------------------------|
| 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                   | 4048879328258 |
| eClass                | 27061801      |
| Packaging unit        | 1             |

Sketch



Male

Male



Product may differ from Image