

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

TPE 22AWG SF/UTP CAT5e gn UL/CSA, ITC/PLTC 0,3m

Ethernet CAT5

Further cable lengths on request.

Male straight – female straight

M12 – M12, 4-pole

D-coded

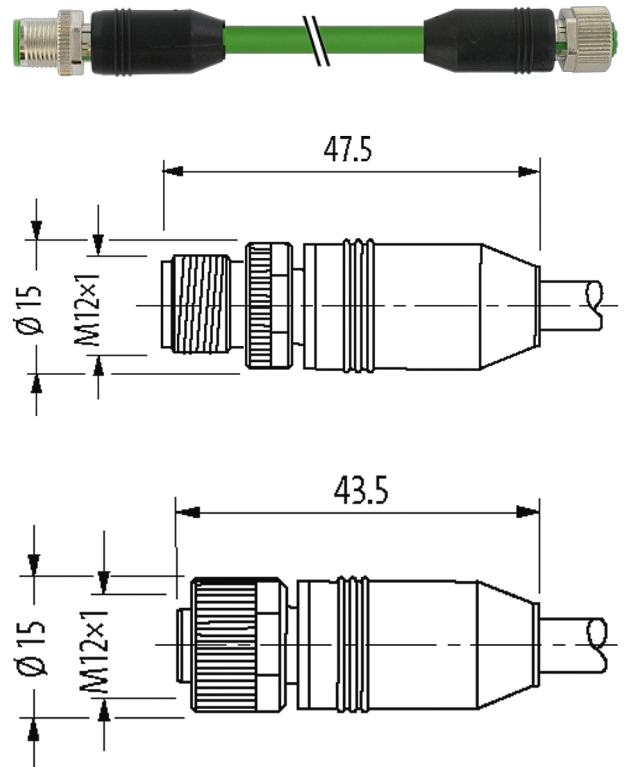
shielded

USA

Transmission properties with channel transmission up to 100 m

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

**Approvals**

\* only for products with UL/CSA approved cable

**More Info**



EtherNet/IP

**Form**

Form 44571

**General data**

|                   |                                          |
|-------------------|------------------------------------------|
| Standards         | DIN EN 61076-2-101 (M12)                 |
| Mounting method   | inserted, tightened                      |
| Temperature range | -25...+85 °C, depending on cable quality |

**Cables**

|                            |                                         |
|----------------------------|-----------------------------------------|
| Cable number               | S7V                                     |
| No./diameter of wires      | 2x 2x 0.34 mm <sup>2</sup>              |
| Wire isolation             | HDPE (wh, ye, bl, or)                   |
| C-track properties         | 1 Mio.                                  |
| Jacket Color               | green                                   |
| Material (jacket)          | TPE (UL)                                |
| Outer Ø                    | 7.9 mm ±5%                              |
| Bend radius (moving)       | 10x outer Ø                             |
| Temperature range (fixed)  | -40...+80 °C                            |
| Temperature range (mobile) | -20...+80 °C                            |
| Cable identification       | S7V                                     |
| Cable weight [g/m]         | 74,80                                   |
| Material (wire)            | Cu wire, tin plated                     |
| Construction (core)        | 19x 0.16 mm (multi-strand wire class 5) |
| Diameter (core)            | 2x 2x 0.34 mm <sup>2</sup>              |
| Material (wire isolation)  | HDPE                                    |
| Wire-Ø incl. isolation     | 1.42 mm ±5%                             |
| Shield                     | yes                                     |
| Material (jacket)          | TPE                                     |
| Outer-Ø (jacket)           | 7.9 mm ±5%                              |
| Color (jacket)             | green                                   |
| Bend radius (fixed)        | 5x outer Ø                              |
| Torsion stress             | 3 Mio.                                  |

**Technical Data**

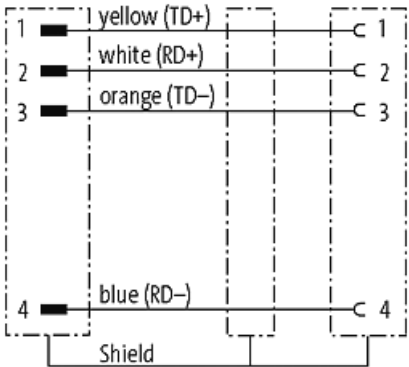
|                                    |                                                                  |
|------------------------------------|------------------------------------------------------------------|
| Operating voltage                  | max. 60 V DC                                                     |
| Operating voltage (only UL listed) | 30 V DC                                                          |
| Rated surge voltage                | 1.5 kV                                                           |
| Operating current per contact      | max. 4 A                                                         |
| Material group                     | IEC 60664-1, category I                                          |
| No. of poles                       | 4                                                                |
| Configuration                      | fully used                                                       |
| Transfer parameters                | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)                 |
| Transfer rate                      | up to 100 Mbit/s full duplex                                     |
| Coding                             | D-coded                                                          |
| LED display                        | no                                                               |
| Locking of ports                   | Screw thread (M12x1 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                                             |

Commercial data

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879603904 |
| eClass                | 27061801      |
| Packaging unit        | 1             |

Sketch



Male

Female



Product may differ from Image