

**M12 male 90° / RJ45 0° shielded Ethernet**

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA, CM 3m

Ethernet CAT5

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

Male 90° – male straight

M12 – RJ45, 4-pole

D-coded

shielded

USA

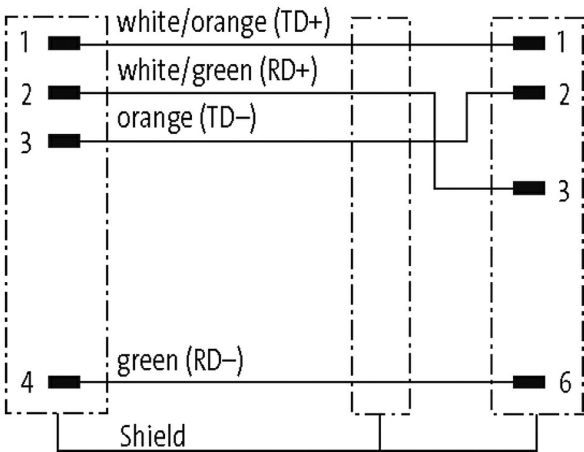
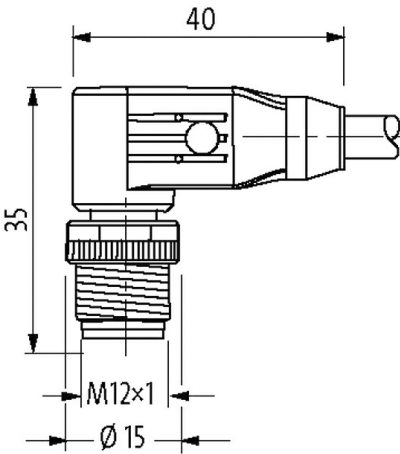
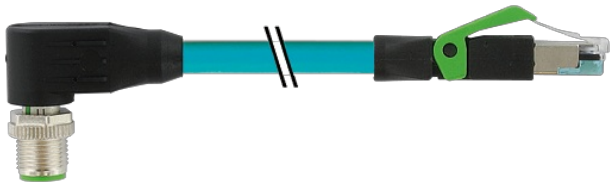
without cable sleeves

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

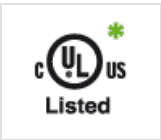
**[Link to Product](#)**

**Illustration**



Product may differ from Image

Approvals



\* only for products with UL/CSA approved cable

More Info



EtherNet/IP

Form

Form 44761

General data

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

#### Cables

|                                 |                              |
|---------------------------------|------------------------------|
| Cable identification            | S4U                          |
| Cable weight [g/m]              | 55,66                        |
| Material (wire)                 | Cu wire, tin plated          |
| Construction (core)             | 7 × 0.203 mm                 |
| Diameter (core)                 | 2 × 2 × 0.25 mm <sup>2</sup> |
| AWG                             | similar to AWG 24            |
| Material (wire isolation)       | HDPE                         |
| Wire-Ø incl. isolation          | 1.22 mm ±5%                  |
| Color/numbering of wires        | (wh-or, or) + (wh-gn, gn)    |
| Shield                          | yes                          |
|                                 | min. 75%                     |
| Material (jacket)               | TPE                          |
| Outer-Ø (jacket)                | 6.6 mm ±5%                   |
| Nominal voltage                 | 1500 V AC                    |
| Temperature range (fixed)       | -40...+80 °C                 |
| Temperature range (mobile)      | -40...+80 °C                 |
| Bend radius (moving)            | 10 × outer Ø                 |
| No. of bending cycles (C-track) | max. 1 Mio. (25 °C)          |
| Traversing distance (C-track)   | max. 0.6 m                   |
| Travel speed (C-track)          | max. 1.2 m/s                 |
| Acceleration (C-track)          | max. 2.4 m/s <sup>2</sup>    |
| Torsion stress                  | max. 3 Mio. (25 °C)          |
| No. of torsion cycles           | max. 3 Mio. (25 °C)          |
| Torsion speed                   | 60 cycles/min                |
| No./diameter of wires           | 2 × 2 × 0.25 mm <sup>2</sup> |
| Wire isolation                  | HDPE (whor, or, whgn, gn)    |
| C-track properties              | 1 Mio.                       |
| Material (jacket)               | TPE (UL/CSA)                 |
| Jacket Color                    | blue                         |
| Outer Ø                         | 6.6 mm ±5%                   |
| Bend radius (moving)            | 10 × outer Ø                 |
| Temperature range (fixed)       | -40...+80 °C                 |
| Temperature range (mobile)      | -40...+80 °C                 |

#### Technical Data

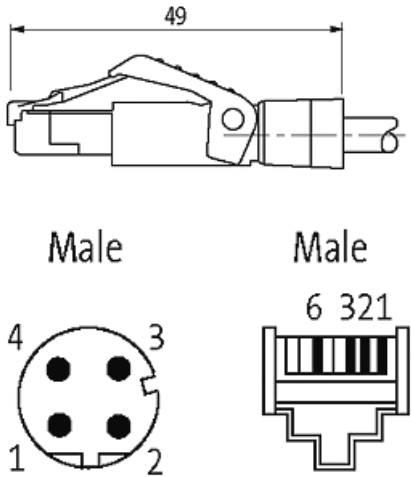
|                                    |                                                  |
|------------------------------------|--------------------------------------------------|
| Operating voltage                  | max. 60 V DC                                     |
| Operating voltage (only UL listed) | max. 30 V DC                                     |
| Rated surge voltage                | 1.0 kV                                           |
| Operating current per contact      | max. 1.5 A (20 °C)                               |
| Material group                     | IEC 60664-1, category I                          |
| No. of poles                       | 4                                                |
| 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                                     |

|                                           |                                                                  |
|-------------------------------------------|------------------------------------------------------------------|
| LED display                               | no                                                               |
| Locking of ports                          | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Compression gland                         | M12 (SW13)                                                       |
| Protection                                | IP67 (M12) - IP20 (RJ45)                                         |
| Locking material                          | Zinc die casting, matte nickel plated (M12)                      |
| Material                                  | PUR                                                              |
| suitable for corrugated tube (internal Ø) | without                                                          |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444210      |
| EAN                   | 4048879651042 |
| eClass                | 27061801      |
| Packaging unit        | 1             |

**Sketch**



Product may differ from Image