

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

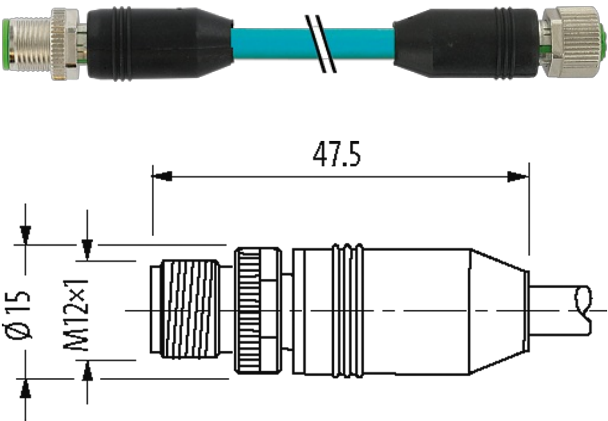
TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA, CM 1,5m

Ethernet CAT5  
Male straight – female straight  
M12 – M12, 4-pole  
D-coded  
shielded  
USA

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.  
Further cable lengths on request.

[Link to Product](#)

Illustration



Product may differ from Image

Approvals



**UL**  
**Listed**

\* only for products with UL/CSA approved cable

More Info



**PROFI**  
**NET**

EtherNet/IP

Form

Form 44571

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                                                     |
| <b>Technical Data</b>              |                                                                  |
| 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 (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       |
| <b>Commercial data</b>                    |               |
| country of origin                         | DE            |
| customs tariff number                     | 85444290      |
| EAN                                       | 4048879579995 |
| eClass                                    | 27061801      |
| Packaging unit                            | 1             |