

M12 male 0° / RJ45 male 0° shielded Ethernet

PUR 2x2xAWG22 shielded vt UL,CSA+dragch. 1,5m

Male straight – male straight

M12 – RJ45, 4-pole

D-coded

shielded

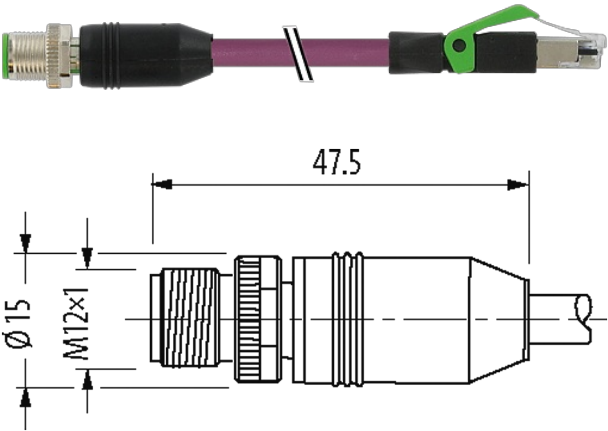
Ethernet CAT5

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

EtherNet/IP<sup>®</sup>  
performance tested



PROFI  
NET

Form

Form 44711

Cables

|                            |                              |
|----------------------------|------------------------------|
| No./diameter of wires      | 2 × 2 × 0.34 mm <sup>2</sup> |
| Wire isolation             | PO (wh, ye, bl, or)          |
| C-track properties         | 3 Mio.                       |
| 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               | 798                                                                                                      |
| Approval (cable)                   | UL (AWM-Style 20233/11602), CSA; CE                                                                      |
| Cable weight [g/m]                 | 68,64                                                                                                    |
| Material (wire)                    | Cu wire, bare                                                                                            |
| Resistor (core)                    | max. 55 $\Omega$ /km (20 °C)                                                                             |
| Single wire Ø (core)               | 0.15 mm                                                                                                  |
| Construction (core)                | 19× 0.15 mm (multi-strand wire class 5)                                                                  |
| Diameter (core)                    | 2× 2× AWG22/7 (0.355)                                                                                    |
| AWG                                | similar to AWG 22                                                                                        |
| Material (wire isolation)          | PO                                                                                                       |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free                                                        |
| Wire-Ø incl. isolation             | 1.4 mm ±5%                                                                                               |
| Color/numbering of wires           | wh, ye, bl, or                                                                                           |
| Shield                             | yes                                                                                                      |
|                                    | min. 80%                                                                                                 |
| Material (jacket)                  | PUR                                                                                                      |
| Material property (jacket)         | CFC-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant |
| Shore hardness (jacket)            | 85 ±5 A                                                                                                  |
| Outer-Ø (jacket)                   | 6.7 mm ±5%                                                                                               |
| Color (jacket)                     | violet                                                                                                   |
| 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)                | 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>                                                                                  |
| Jacket Color                       | violet                                                                                                   |

**Technical Data**

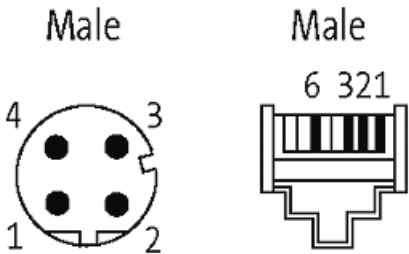
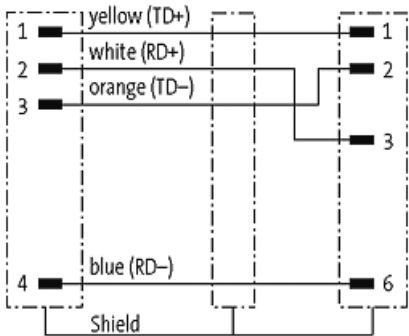
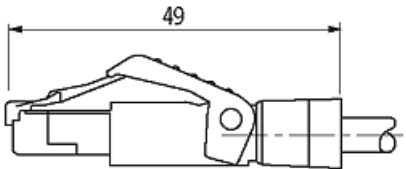
|                                           |                                                                  |
|-------------------------------------------|------------------------------------------------------------------|
| Operating voltage                         | max. 60 V DC                                                     |
| 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                                          |
| 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 (M12) - IP20 (RJ45)                                         |
| 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                   | 4048879478465 |
| eClass                | 27061801      |
| Packaging unit        | 1             |
| Sketch                |               |



Product may differ from Image