

M12 male 0° / RJ45 male 0° shielded Ethernet

PUR 2x2xAWG22 shielded gn UL/CSA+drag chain 27,5m

Male straight – male straight

M12 – RJ45, 4-pole

D-coded

shielded

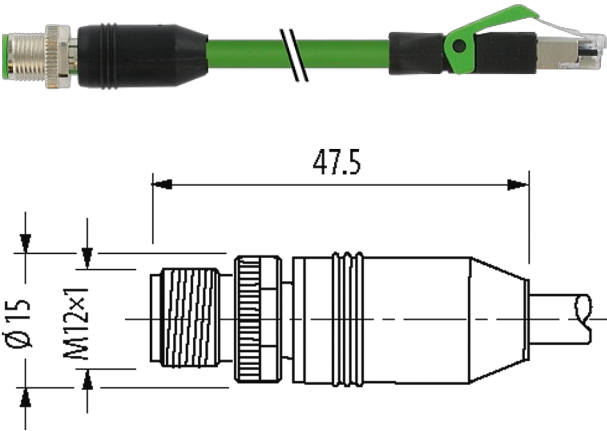
Ethernet CAT5

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



Form

Form 44711

Cables

|                            |                              |
|----------------------------|------------------------------|
| No./diameter of wires      | 2 × 2 × 0.34 mm <sup>2</sup> |
| Wire isolation             | PE (wh, ye, bl, or)          |
| C-track properties         | 2 Mio.                       |
| Material (jacket)          | PUR (UL/CSA)                 |
| Outer Ø                    | 7.4 mm ±5%                   |
| Bend radius (moving)       | 12 × outer Ø                 |
| Temperature range (fixed)  | -40...+80 °C                 |
| Temperature range (mobile) | -30...+70 °C                 |

|                                 |                                                |
|---------------------------------|------------------------------------------------|
| Cable identification            | 659                                            |
| Approval (cable)                | UL (AWM-Style 20234/10988), CSA; CE            |
| Cable weight [g/m]              | 89,10                                          |
| Material (wire)                 | Cu wire, bare                                  |
| Resistor (core)                 | max. 55 $\Omega$ /km (20 °C)                   |
| Diameter (core)                 | 2 x 2 x 0.34 mm <sup>2</sup>                   |
| AWG                             | similar to AWG 22                              |
| Material (wire isolation)       | PE                                             |
| Wire-Ø incl. isolation          | 1.4 mm $\pm$ 5%                                |
| Color/numbering of wires        | wh, ye, bl, or                                 |
| Shield                          | yes                                            |
|                                 | min. 85%                                       |
| Material (jacket)               | PUR                                            |
| Outer-Ø (jacket)                | 7.4 mm $\pm$ 5%                                |
| Color (jacket)                  | green                                          |
| chemical resistance             | good resistance to oil, gasoline and chemicals |
| thermal resistance              | flame retardant                                |
| Nominal voltage                 | 600 V                                          |
| Temperature range (fixed)       | -40...+80 °C                                   |
| Temperature range (mobile)      | -30...+70 °C                                   |
| Bend radius (fixed)             | 5 x outer Ø                                    |
| Bend radius (moving)            | 12 x outer Ø                                   |
| No. of bending cycles (C-track) | max. 2 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                    | green                                          |

#### 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 (M12x1 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

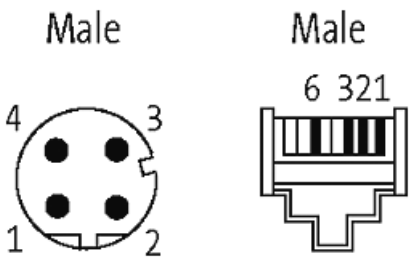
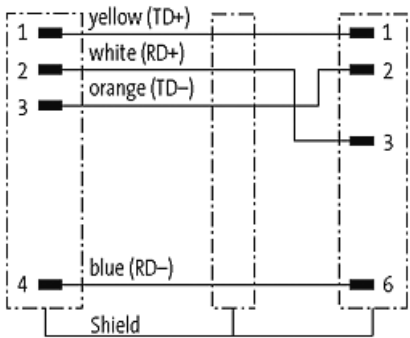
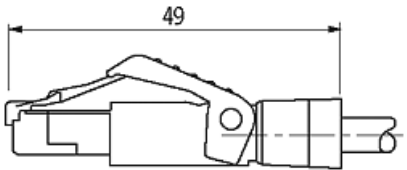
|                   |                                          |
|-------------------|------------------------------------------|
| Standards         | DIN EN 61076-2-101 (M12)                 |
| Pollution Degree  | 3                                        |
| Temperature range | -25...+85 °C, depending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

#### Commercial data

|                       |          |
|-----------------------|----------|
| country of origin     | DE       |
| customs tariff number | 85444290 |

|                |               |
|----------------|---------------|
| EAN            | 4048879677158 |
| eClass         | 27061801      |
| Packaging unit | 1             |

Sketch



Product may differ from Image