

M12 male 0° D-cod. / M8 male 0° A-cod. shielded

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 12m

EtherCAT

Male straight – male straight

M12 – M8, 4-pole

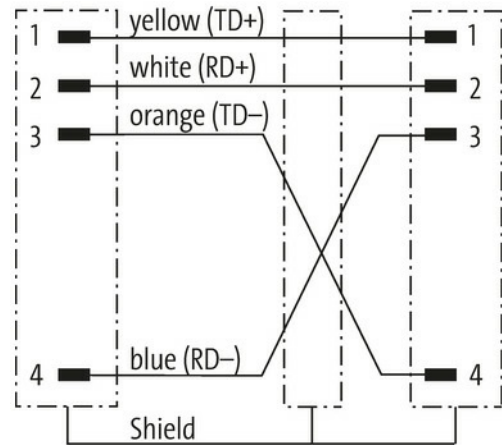
D-coded

shielded

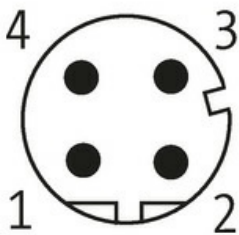
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

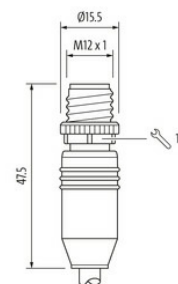
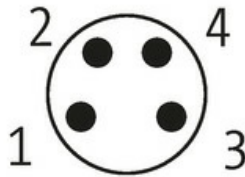
The resistance to aggressive media should be individually tested for your application. Further details on request.

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

Male



Male





Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form 44901

Technical Data

| | |
|---|---|
| Operating voltage | max. 60 V DC |
| Operating voltage (only UL listed) | max. 30 V DC |
| Rated surge voltage | 1.5 kV |
| Operating current per contact | max. 4 A |
| Transfer parameters | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Transfer rate | up to 100 Mbit/s full duplex |
| Material group | IEC 60664-1, category I |
| Coding | M12, D-coded |
| Locking of ports | Screw thread (M8/M12x1 mm) recommended torque 0.4/0.6 Nm, self-securing |
| Compression gland | M8 (SW9), M12 (SW13) |
| Protection | IP67 inserted and tightened (EN 60529) |
| Material | PUR |
| Locking material | Zinc die casting, matte nickel plated |
| suitable for corrugated tube (internal Ø) | 6.5 mm |

General data

| | |
|-------------------|---|
| Standards | DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8) |
| Pollution Degree | 3 |
| Temperature range | -25...+85 °C, depending on cable quality |

Cables

| | |
|---------------------------|---|
| Cable identification | 791 |
| Approval (cable) | cURus (AWM-Style 20549/10493); CE conform |
| Cable weight [g/m] | 59,4 g |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 139.3 Ω/km (20 °C) |
| Single wire Ø (core) | 0.15 mm |
| Construction (core) | 19× 0.15 mm (multi-strand wire class 5) |
| Diameter (core) | 1× 4× AWG26 |
| AWG | similar to AWG 26 |
| Material (wire isolation) | PO |

| | |
|---------------------------------|---|
| Wire-Ø incl. isolation | 1.0 mm ±5% |
| Color/numbering of wires | wh, or, bl, ye |
| Stranding combination | 4 wires twisted |
| Shield | yes |
| optical shield cover | min. 85% |
| Material (jacket) | PUR |
| Material property (jacket) | CFC-, halogen-, cadmium-, silicone- and lead-free |
| Outer-Ø (jacket) | 4.9 mm ±5% |
| Color (jacket) | green |
| chemical resistance | Oil resistance according to IEC 60811-2-1, ASTM IRM 901, ICEA S-82-552 Std. |
| thermal resistance | flame retardant |
| Temperature range (fixed) | -40...+80 °C |
| Temperature range (mobile) | -30...+70 °C |
| Bend radius (fixed) | 7.5× outer Ø |
| Bend radius (moving) | 12× outer Ø |
| No. of bending cycles (C-track) | max. 5 Mio. (25 °C) |
| Travel speed (C-track) | max. 3 m/s |
| Acceleration (C-track) | max. 5 m/s ² |

Commercial data

| | |
|-----------------------|---------------|
| country of origin | DE |
| customs tariff number | 85444290 |
| EAN | 4048879762816 |
| eClass | 27061801 |
| Packaging unit | 1.000 |