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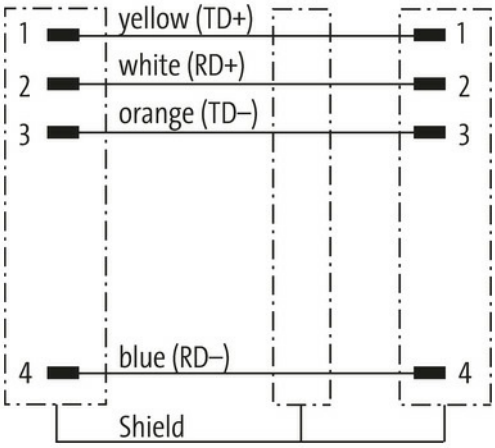
**M12 male 0° / M12 male 0° D-cod. shielded**

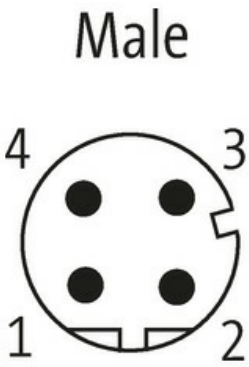
PUR 1x4xAWG22 shielded vt UL/CSA+drag ch. 12m

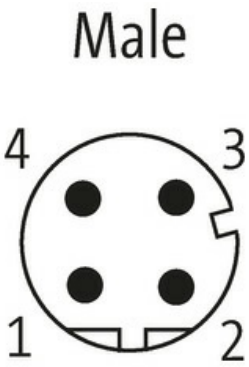
Transmission properties with channel transmission up to 100 m
Ethernet CAT5e
Male straight – male straight
M12 – M12, 4-pole
D-coded
shielded
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

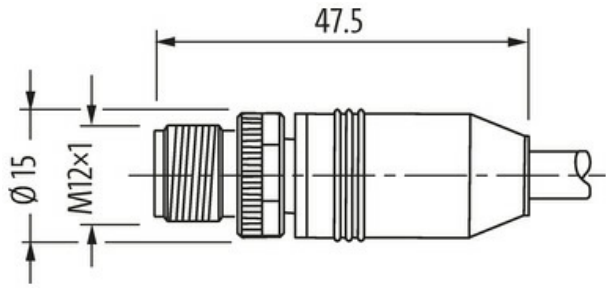
## Link to Product

### Illustration




Product may differ from Image

* only for products with UL/CSA approved cable

### Form

| | |
|---|---|
| Form | 44511 |

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| 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 | CAT5e, 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 | D-coded |
| 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) |
| Material | PUR |
| Locking material | Zinc die casting, matte nickel plated |
| suitable for corrugated tube (internal Ø) | without |
| **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 | 798 |
| Approval (cable) | cURus (AWM-Style 20549/11602), CE-conform |
| Cable weight [g/m] | 68,64 g |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 55 Ω/km (20 °C) |
| Construction (core) | 19× 0.15 mm (multi-strand wire class 5) |
| Diameter (core) | 1× 4× AWG22/7 |
| 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 |
| optical shield cover | min. 85% |
| 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 | Oil resistance according to IEC 60811-2-1, ASTM IRM 901, ICEA S-82-552 Std. |
| thermal resistance | flame-retardant according to UL 1581 section 1090, section 1100 (FT2), IEC 60332-1-2 Std. |
| Nominal voltage | 300 V |
| Test voltage | 2000 V AC (test duration 1 min) |
| 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) |
| Travel speed (C-track) | max. 3.3 m/s |
| Acceleration (C-track) | max. 2 m/s² |
| **Commercial data** | |

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| | |
|---|---|
| country of origin | DE |
| customs tariff number | 85444290 |
| EAN | 4048879356732 |
| eClass | 27061801 |
| Packaging unit | 1.000 |

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