

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

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 45m

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**

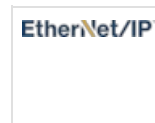
Male



Male



Product may differ from Image



\* only for products with UL/CSA approved cable

**Form**

Form

44511

| 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                      | 800  |
| Approval (cable)                          | UL (AWM-Style 2571/10578), CSA; CE conform; Profinet Guideline                         |
| Cable weight [g/m]                        | 73,7 g   |
| Material (wire)                           | Cu wire, bare  |
| Resistor (core)                           | max. 55 Ω/km (20 °C)   |
| Construction (core)                       | 7 × 0.254 mm   |
| Diameter (core)                           | 1 × 4 × AWG22/7  |
| AWG                                       | similar to AWG 22  |
| Material (wire isolation)                 | PE   |
| Shore hardness (wire isolation)           | 55 ±5 D  |
| Wire-Ø incl. isolation                    | 1.52 mm ±5%  |
| Color/numbering of wires                  | wh, ye, bl, or   |
| Shield                                    | yes  |
| optical shield cover                      | min. 85%   |
| Material (jacket)                         | PVC  |
| Shore hardness (jacket)                   | 85 ±5 A  |
| Outer-Ø (jacket)                          | 6.5 mm ±5%   |
| Color (jacket)                            | green  |
| chemical resistance                       | Oil resistance IEC 60811-2-1, ASTM Öle 1, ICEA S-82-552 Std.                           |
| thermal resistance                        | flammwidrig nach UL 1581 Section 1060 (FT1), Section 1061 (cable flame), IEC 60332-1-2 |
| Nominal voltage                           | 300 V AC   |
| Test voltage                              | 2000 V AC (test duration 1 min)  |
| Temperature range (fixed)                 | -30...+80 °C   |
| Temperature range (mobile)                | -10...+70 °C   |
| Bend radius (fixed)                       | 5 × outer Ø  |
| Bend radius (moving)                      | 15 × outer Ø   |
| No. of bending cycles (C-track)           | max. 2 Mio. (25 °C)  |
| Travel speed (C-track)                    | max. 3.3 m/s   |
| Acceleration (C-track)                    | max. 2 m/s   |
| Commercial data                           |  |
| country of origin                         | DE   |

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 03/22

|                       |               |
|-----------------------|---------------|
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