

**M12 male 90° / M12 male 90° D-cod. shielded**

PUR 1x4xAWG22 shielded gn UL/CSA 3m

Ethernet CAT5  
 Male 90° – male 90°  
 M12 – M12, 4-pole  
 D-coded  
 shielded

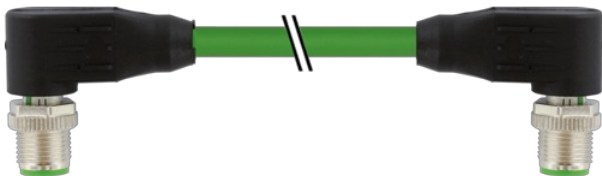
Transmission properties with channel transmission up to 100 m  
 Further cable lengths on request.

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**



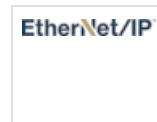
Male



Male



Product may differ from Image



\* only for products with UL/CSA approved cable

| Form                                      |   |
|---|---|
| Form                                      | 44561   |
| Technical Data                            |   |
| Operating voltage                         | max. 60 V DC  |
| Operating voltage (only UL listed)        | 30 V DC   |
| Rated surge voltage                       | 1.5 kV  |
| Operating current per contact             | max. 4 A  |
| No. of poles                              | 4   |
| 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                                    | D-coded   |
| LED display                               | no  |
| 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                      | 794   |
| Approval (cable)                          | cURus (AWM-Style 20549/10578), CE-conform   |
| Cable weight [g/m]                        | 75,87 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  |
| Wire-Ø incl. isolation                    | 1.55 mm ±5%   |
| Color/numbering of wires                  | wh, ye, bl, or  |
| Shield                                    | yes   |
| optical shield cover                      | min. 85%  |
| Material (jacket)                         | PUR   |
| Outer-Ø (jacket)                          | 6.7 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 according to UL 1581 section 1090, section 1100 (FT2), IEC 60332-1-2 Std. |
| Nominal voltage                           | 300 V   |
| Temperature range (fixed)                 | -40...+80 °C  |
| Temperature range (mobile)                | -30...+70 °C  |
| Bend radius (fixed)                       | 6 × outer Ø   |
| Bend radius (moving)                      | 12 × outer Ø  |
| Commercial data                           |   |

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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