

**M12 male 0° D-cod. / RJ45 male 0° shielded**

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 16m

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.

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

Male



Male



Product may differ from Image



\* only for products with UL/CSA approved cable

| Form                                      |  |
|---|--|
| Form                                      | 44711  |
| 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)   |
| 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 (M12×1 mm) recommended torque 0.6 Nm, self-securing   |
| Compression gland                         | M12 (SW13)   |
| Protection                                | IP67 (M12) - IP20 (RJ45)   |
| 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)   |
| Pollution Degree                          | 3  |
| Temperature range                         | -25...+85 °C, depending on cable quality   |
| Cables                                    |  |
| Cable identification                      | 796  |
| Approval (cable)                          | cURus (AWM-Style 20549/11602), CE-conform  |
| Cable weight [g/m]                        | 69,3 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  |
| Material (wire isolation)                 | PE   |
| 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-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant |
| 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  |
| Test voltage                              | 2000 V AC (test duration 1 min)  |
| Temperature range (fixed)                 | -40...+80 °C   |
| Temperature range (mobile)                | -30...+70 °C   |

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

|                                 |                         |
|---------------------------------|-------------------------|
| 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/s <sup>2</sup> |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879407168 |
| eClass                | 27061801      |
| Packaging unit        | 1.000         |