

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

PUR 1x4xAWG22 shielded gn UL/CSA+robot 5m

Ethernet CAT5

Male straight – female 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

Female





Product may differ from Image



\* only for products with UL/CSA approved cable

| Form                                      |  |
|---|--|
| Form                                      | 44571  |
| 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 (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)   |
| Pollution Degree                          | 3  |
| Temperature range                         | -25...+85 °C, depending on cable quality                         |
| Cables                                    |  |
| Cable identification                      | 793  |
| Approval (cable)                          | cURus (AWM style 20549/10578); CE compliant                      |
| Cable weight [g/m]                        | 69,3 g   |
| Material (wire)                           | Cu wire, tin plated  |
| Resistor (core)                           | max. 60 Ω/km (20 °C)   |
| Single wire Ø (core)                      | 0.16 mm  |
| Construction (core)                       | 19× 0.160 mm   |
| Diameter (core)                           | 1 × 4 × AWG22/19   |
| Material (wire isolation)                 | PE   |
| Wire-Ø incl. isolation                    | 1.6 mm ±5%   |
| Color/numbering of wires                  | wh, ye, bl, or   |

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|                            |   |
|----------------------------|---|
| Shield                     | yes   |
| optical shield cover       | min. 85%  |
| Material (jacket)          | PUR   |
| Outer-Ø (jacket)           | 6.6 mm ±5%  |
| Color (jacket)             | green   |
| chemical resistance        | Oil resistance IEC 60811-2-1, ASTM Öle 1, 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) | -20...+60 °C  |
| Bend radius (fixed)        | 8× outer Ø  |
| Bend radius (moving)       | 12× outer Ø   |
| Torsion stress             | ±180°/m   |
| No. of torsion cycles      | max. 4 Mio. (25 °C)   |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879379748 |
| eClass                | 27061801      |
| Packaging unit        | 1.000         |