

M12 male 0° / M12 female 0° B-cod. shielded

PUR 1x2xAWG22 shielded vt UL/CSA+drag ch. 75m

PROFIBUS

Male straight – female straight

M12, 4-pole – M12, 2-pole

B-coded

shielded

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.

Further cable lengths on request.

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

Product may differ from Image



* only for products with UL/CSA approved cable

| Form | |
|---|---|
| Form | 44001 |
| Technical Data | |
| Operating voltage | max. 60 V AC/DC |
| Operating voltage (only UL listed) | max. 30 V AC/DC |
| Rated surge voltage | 1.5 kV |
| Operating current per contact | max. 4 A |
| Material group | IEC 60664-1, category I |
| Coding | B-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 | 786 |
| Approval (cable) | cURus (AWM-Style 20549/10578), CE-conform |
| Cable weight [g/m] | 81,4 g |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 55 Ω/km (20 °C) |
| Single wire Ø (core) | 0.16 mm |
| Construction (core) | 19× 0.16 mm (multi-strand wire class 5) |
| Diameter (core) | 1× 2× AWG22 |
| Material (wire isolation) | PE |
| Wire-Ø incl. isolation | 2.8 mm ±5% |
| Color/numbering of wires | rd, gn |
| Shield | yes |
| optical shield cover | min. 85% |
| Material (jacket) | PUR |
| Outer-Ø (jacket) | 8.1 mm ±5% |
| Color (jacket) | violet |
| 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) | -30...+70 °C |
| Bend radius (fixed) | 6× 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 m/s |
| Acceleration (C-track) | max. 3 m/s ² |

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

Commercial data

| | |
|-----------------------|---------------|
| country of origin | DE |
| customs tariff number | 85444290 |
| EAN | 4048879629959 |
| eClass | 27061801 |
| Packaging unit | 1.000 |