

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

PUR 1x2xAWG22 shielded vt UL/CSA+robot 7.5m

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 | 843 |
| Approval (cable) | cURus (AWM-Style 20549/10578), CE-conform |
| Cable weight [g/m] | 79,2 g |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 60 Ω/km (20 °C) |
| Single wire Ø (core) | 0.15 mm |
| Construction (core) | 19× 0.15 mm (multi-strand wire class 5) |
| Diameter (core) | 1× 2× AWG22 |
| Material (wire isolation) | ZE-PE |
| Wire-Ø incl. isolation | 2.7 mm ±5% |
| Color/numbering of wires | rd, gn |
| Shield | yes |
| optical shield cover | min. 80% |
| Material (jacket) | PUR |
| Outer-Ø (jacket) | 8.1 mm ±5% |
| Color (jacket) | violet |
| 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) | 8× outer Ø |
| Bend radius (moving) | 12× outer Ø |
| Torsion stress | ±180°/m |
| Commercial data | |
| country of origin | DE |

| | |
|-----------------------|---------------|
| customs tariff number | 85444290 |
| EAN | 4048879828253 |
| eClass | 27061801 |
| Packaging unit | 1.000 |