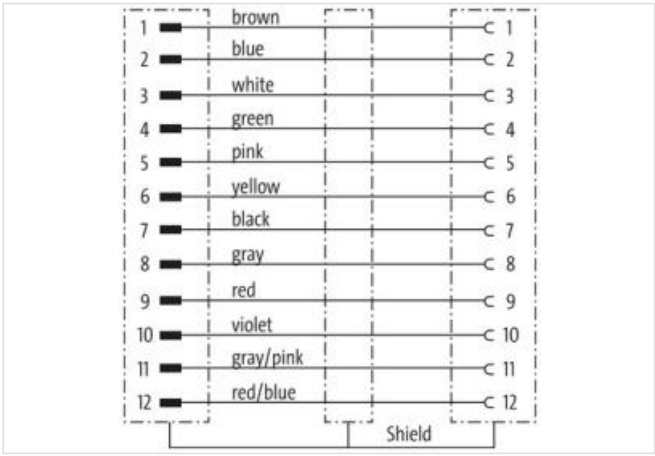
**M12 male 0° / M12 female 0° A-cod. shielded**

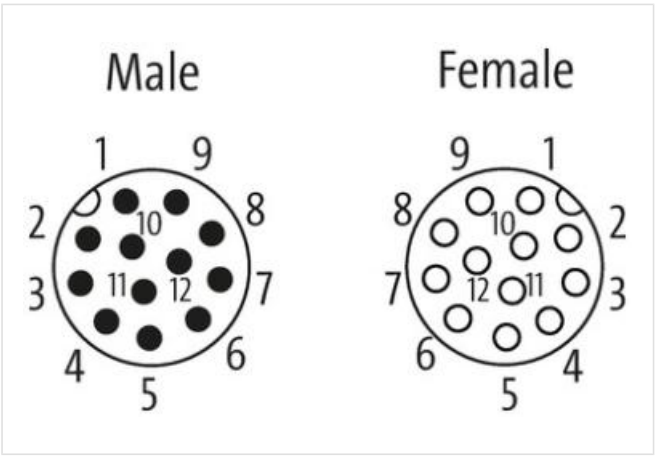
PUR 12x0.14 shielded bk UL/CSA+dragchain 0.6m

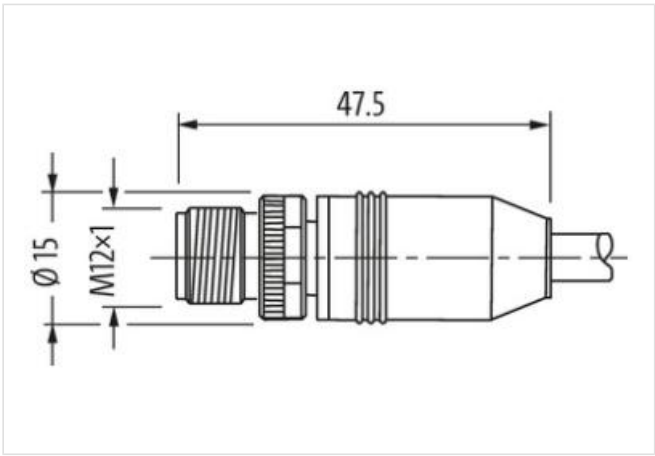
Male straight – female straight
M12 – M12, 12-pole
shielded
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

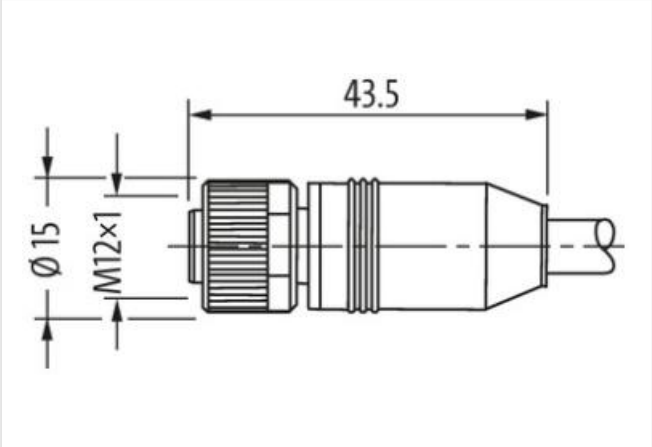
## Link to Product

**Illustration**






Product may differ from Image

* only for products with UL/CSA approved cable

| | |
|---|---|
| **Form** | |
| Form | 53301 |
| **Technical Data** | |
| Operating voltage | max. 30 V AC/DC |
| Operating voltage (only UL listed) | 30 V AC/DC |
| Rated surge voltage | 0.8 kV |
| Operating current per contact | max. 1.5 A |
| No. of poles | 12 |
| Material group | IEC 60664-1, category I |
| Coding | A-coded |
| LED display | no |
| Locking of ports | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| 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 |
| Compression gland | M12 (SW13) |
| **General data** | |
| Standards | DIN EN 61076-2-101 (M12) |
| Mounting method | inserted, tightened |
| Material (contact) | Copper alloy |
| Material (contact surface) | Au |
| Material (gasket) | FKM |
| Pollution Degree | 3 |
| Temperature range | -25...+85 °C, depending on cable quality |
| **Cables** | |
| Cable identification | 706 |
| Cable Type | 3 (PUR) |
| Approval (cable) | cURus (AWM-Style 20549/10493); CE conform |
| Cable weight [g/m] | 67,1 g |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 138 Ω/km (20 °C) |
| Single wire Ø (core) | 0.1 mm |

MURR ELEKTRONIK
stay connected

| | |
|---|---|
| Construction (core) | 18× 0.1 mm (multi-strand wire class 6) |
| Diameter (core) | 12× 0.14 mm² |
| AWG | similar to AWG 26 |
| Material (wire isolation) | PP |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free |
| Shore hardness (wire isolation) | 70 ±5 D |
| Wire-Ø incl. isolation | 1.0 mm ±5% |
| Color/numbering of wires | br, rd, gr, bk, ye, pk, gn, wh, bl, rdbl, grpk, vi |
| Stranding combination | Twisted wires rdbl, grpk and vi, over it all other wires are twisted |
| Shield | yes |
| Shield (Type) | Copper braid |
| 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 |
| Shore hardness (jacket) | 90 ±5 A |
| Outer-Ø (jacket) | 6.5 mm ±5% |
| Color (jacket) | black |
| Cable print | - |
| chemical resistance | good resistance to oil, gasoline and chemicals (EN 60811-404) |
| thermal resistance | flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2 |
| Nominal voltage | 300 V AC |
| Test voltage | 2000 V AC |
| Current load capacity | to DIN VDE 0298-4 |
| Temperature range (fixed) | -40...+80 °C, (+90 °C at max. 10 000 operating hours) |
| Temperature range (mobile) | -25...+80 °C, (+90 °C at max. 10 000 operating hours) |
| Bend radius (fixed) | 5× outer Ø |
| Bend radius (moving) | 10× outer Ø |
| No. of bending cycles (C-track) | max. 5 Mio. (25 °C) |
| Travel speed (C-track) | max. 3.3 m/s |
| Acceleration (C-track) | max. 5 m/s² |
| Torsion stress | ±30°/m |
| No. of torsion cycles | max. 2 Mio. (25 °C) |
| Torsion speed | 35 cycles/min |

| | |
|---|---|
| Product article number of manufacturer | 7000-53301-7060060 |
| Cable length | 0,6 m |