stay connected

## M12 Power L-coded 5pol. male 90° / female 90°

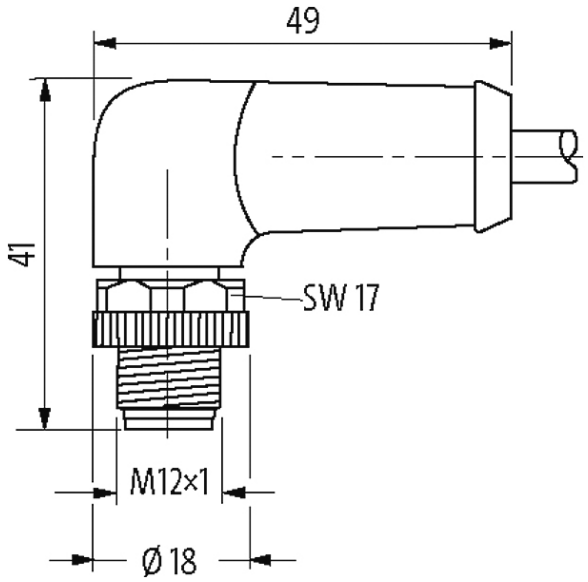
PUR 5x1.5 bk UL/CSA+drag chain 3m

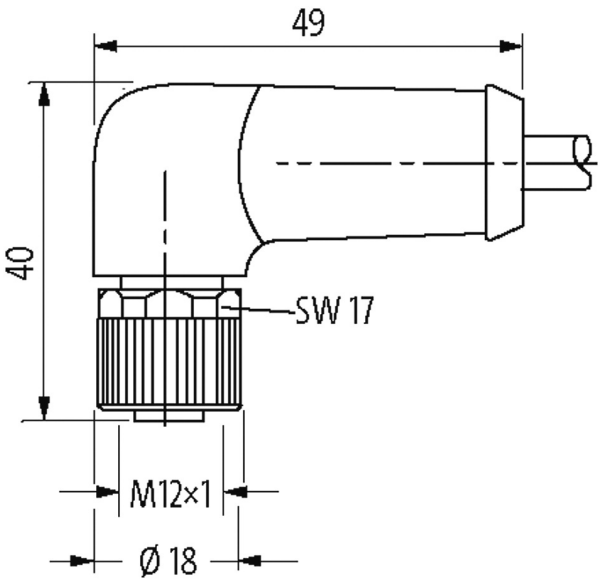
Male 90° – female 90°
M12 – M12, 5-pole
L-coded
with cable sleeves

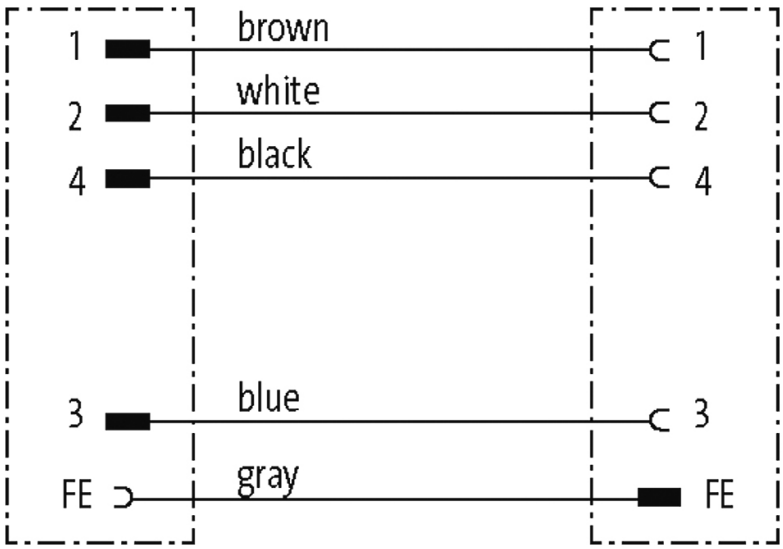
Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

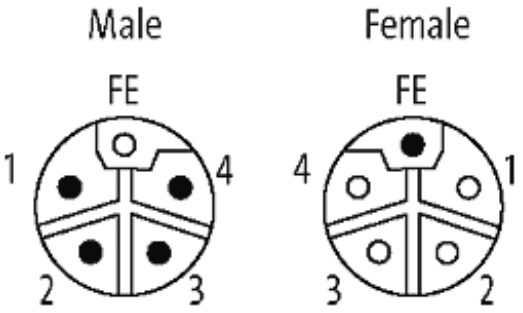
## Link to Product

### Illustration






Product may differ from Image

| | |
|---|---|
| **Form** | |
| Form | P4271 |
| **Cables** | |
| No./diameter of wires | 5 × 1.5 mm² |
| Wire isolation | PP (br, wh, bl, bk, gr, num) |
| C-track properties | 5 Mio. |

| | |
|---|---|
| Jacket Color | black |
| Material (jacket) | PUR (UL/CSA) |
| Outer Ø | 8.7 mm ±5% |
| Bend radius (moving) | 10 × outer Ø |
| Temperature range (fixed) | -50...+80 °C |
| Temperature range (mobile) | -20...+80 °C |
| Cable identification | P04 |
| Cable Type | 3 (PUR) |
| Approval (cable) | cRUus (AWM-Style 21223/10492) |
| Cable weight [g/m] | 129,80 |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 13.3 Ω/km (20 °C) |
| Single wire Ø (core) | 0.15 mm |
| Construction (core) | 84 × 0.15 mm (multi-strand wire class 6) |
| Diameter (core) | 5 × 1.5 mm² |
| AWG | similar to AWG 16 |
| Material (wire isolation) | PP |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free |
| Shore hardness (wire isolation) | 60 ±5 D |
| Wire-Ø incl. isolation | 2.3 mm ±5% |
| Color/numbering of wires | bk, bl, wh, br, gr, num |
| Stranding combination | 5 wires twisted around central filler |
| Shield | no |
| 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) | 8.7 mm ±5% |
| Color (jacket) | black |
| chemical resistance | good resistance to oil, gasoline and chemicals (EN 60811-404) |
| thermal resistance | flame retardant UL 1581 VW1 / CSA FT 1 / IEC 60332-1, IEC 60332-2-2 |
| Nominal voltage | 1 000 V AC |
| Test voltage | 10 kV |
| Current load capacity | to DIN VDE 0298-4 |
| Temperature range (fixed) | -50...+80 °C |
| Temperature range (mobile) | -20...+80 °C |
| Bend radius (fixed) | 7.5 × outer Ø |
| Bend radius (moving) | 10 × outer Ø |
| No. of bending cycles (C-track) | max. 5 Mio. (25 °C) |
| Traversing distance (C-track) | max. 5 m (horizontal) |
| Travel speed (C-track) | max. 3.3 m/s |

| | |
|---|---|
| Acceleration (C-track) | max. 5 m/s² |
| Torsion stress | ±180°/m |
| No. of torsion cycles | max. 2 Mio. (25 °C) |
| Torsion speed | 35 cycles/min |
| **Technical Data** | |
| Operating voltage | max. 63 V AC/DC |
| Rated surge voltage | 1.5 kV |
| Operating current per contact | max. 16 A |
| Material group | IEC 60664-1, category I |
| Coding | L-coded |
| Locking of ports | Screw thread M12 × 1 mm (recommended torque 0.6 Nm) self-securing |
| Compression gland | M12 (SW17) |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Locking material | Zinc die casting, matte nickel plated |
| Material | PUR |
| suitable for corrugated tube (internal Ø) | 12 mm |
| **General data** | |
| Standards | IEC 61076-2-111 |
| Mounting method | inserted, tightened |
| Pollution Degree | 3 |
| Temperature range | -25...+85 °C, depending on cable quality |
| **Commercial data** | |
| country of origin | DE |
| customs tariff number | 85444290 |
| EAN | 4048879743891 |
| eClass | 27279218 |
| Packaging unit | 1 |