

**M12 male recept. shielded rear mount**

PUR 5x0.34 shielded bk UL/CSA+drag chain 2m

Flange male

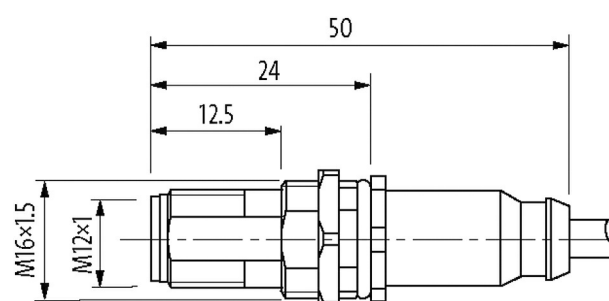
M12, 5-pole

shielded

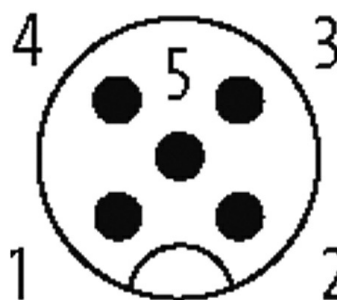
Rear mounting

Further cable lengths on request.

The resistance to aggressive media should be individually tested for your application. Further details on request.

**Illustration**

Male



Product may differ from Image

**Approvals****Form**

Form 13601

**Cables**No./diameter of wires 5 x 0.34 mm<sup>2</sup>

|                                    |                                                                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wire isolation                     | PP (br, wh, bl, bk, gnye)                                                                                                                              |
| C-track properties                 | 5 Mio.                                                                                                                                                 |
| Material (jacket)                  | PUR (UL/CSA)                                                                                                                                           |
| Outer Ø                            | 5.6 mm ±5%                                                                                                                                             |
| Bend radius (moving)               | 10× outer Ø                                                                                                                                            |
| Temperature range (fixed)          | -40...+80 °C                                                                                                                                           |
| Temperature range (mobile)         | -25...+80 °C                                                                                                                                           |
| Cable identification               | 642                                                                                                                                                    |
| Cable Type                         | 3 (PUR)                                                                                                                                                |
| Approval (cable)                   | cURus (AWM-Style 20549/10493); CE conform                                                                                                              |
| Cable weight [g/m]                 | 57,20                                                                                                                                                  |
| Material (wire)                    | Cu wire, bare                                                                                                                                          |
| Resistor (core)                    | max. 57 Ω/km (20 °C)                                                                                                                                   |
| Single wire Ø (core)               | 0.1 mm                                                                                                                                                 |
| Construction (core)                | 42× 0.1 mm (multi-strand wire class 6)                                                                                                                 |
| Diameter (core)                    | 5× 0.34 mm²                                                                                                                                            |
| AWG                                | similar to AWG 22                                                                                                                                      |
| 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             | 1.25 mm ±5%                                                                                                                                            |
| Color/numbering of wires           | br, bk, bl, wh, gnye longitudinally striped                                                                                                            |
| Stranding combination              | 5 wires twisted around central filler                                                                                                                  |
| Shield                             | yes                                                                                                                                                    |
|                                    | min. 80%                                                                                                                                               |
| 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)                   | 5.6 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 FT1 / IEC 60332-1, 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)                                                                                                                                    |
| 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                     | ±30 °/m                                                                                                                                                |
| No. of torsion cycles              | max. 2 Mio. (25 °C)                                                                                                                                    |
| Torsion speed                      | 35 cycles/min                                                                                                                                          |
| Jacket Color                       | black                                                                                                                                                  |
| <b>Technical Data</b>              |                                                                                                                                                        |
| Operating voltage                  | max. 60 V AC/DC                                                                                                                                        |

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| Operating current per contact | max. 4 A                                                         |
| Rated surge voltage           | 1.5 kV                                                           |
| No. of poles                  | 5                                                                |
| 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 |
| Compression gland             | M12 (SW14)                                                       |
| Protection                    | IP67 inserted and tightened (EN 60529)                           |
| Protection NEMA               | 3, 4, 6P (UL 50E)                                                |
| Locking material              | Brass, nickel plated                                             |

**General data**

|                            |                                          |
|----------------------------|------------------------------------------|
| Pollution Degree           | 3                                        |
| Material (contact)         | Copper alloy                             |
| Material (contact surface) | Au                                       |
| Stripping length (jacket)  | 20 mm                                    |
| Temperature range          | -25...+85 °C, depending on cable quality |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879583657 |
| eClass                | 27279220      |
| Packaging unit        | 1             |