

**M12 male 90° / M12 female 90° CANopen/DeviceNet**

PUR AWG24+AWG22 shielded vt UL/CSA+drag ch. 1m

DeviceNet, CANopen

Male 90° – female 90°

M12 – M12, 5-pole

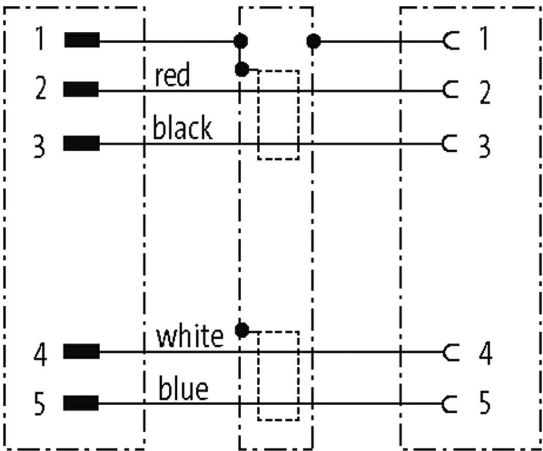
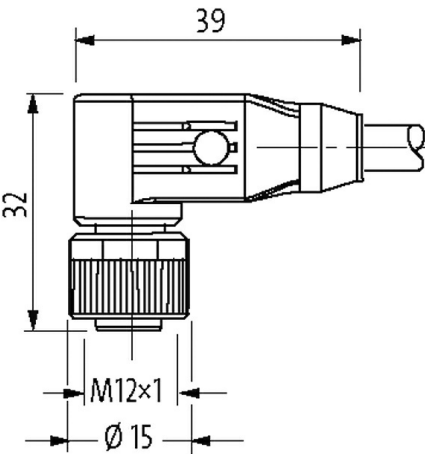
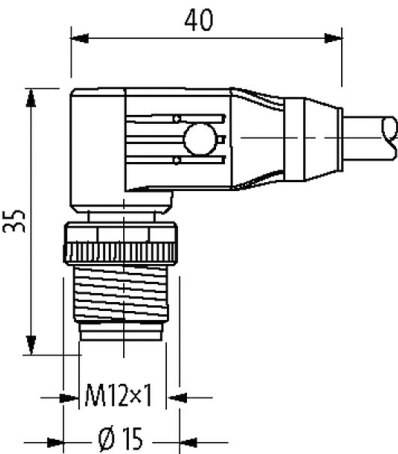
shielded

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.

**Illustration**



Product may differ from Image

Approvals



cCSAus

\* only for products with UL/CSA approved cable

EAC

## More Info

DeviceNet

CANopen

## Form

Form 40551

## Cables

|                               |                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------|
| No./diameter of wires         | 2× 0.25 + 2× 0.34 mm <sup>2</sup>                                                    |
| Wire isolation                | PE (rd, bk), (bl, wh)                                                                |
| Material (jacket)             | PUR (UL/CSA)                                                                         |
| Outer Ø                       | 6.9 mm ±5%                                                                           |
| Bend radius (moving)          | 10× outer Ø                                                                          |
| Temperature range (fixed)     | -40...+80 °C                                                                         |
| Temperature range (mobile)    | -30...+70 °C                                                                         |
| Cable identification          | 803                                                                                  |
| Approval (cable)              | UL (AWM-Style 20233/10578), CSA; CE                                                  |
| Cable weight [g/m]            | 63,12                                                                                |
| Material (wire)               | Cu wire, tin plated                                                                  |
| Resistor (core)               | max. 78 Ω/km (data pair, max. 54 Ω/km (power pair); (20 °C)                          |
| Diameter (core)               | 2× 0.25 + 2× 0.34 mm <sup>2</sup>                                                    |
| AWG                           | similar to AWG 24 (0.25 mm <sup>2</sup> ); similar to AWG 22 (0.34 mm <sup>2</sup> ) |
| Wire-Ø incl. isolation        | 2.1 mm ±5% (0.25 mm <sup>2</sup> ); 1.5 mm ±5% (0.34 mm <sup>2</sup> )               |
| Color/numbering of wires      | wh, bl (data pair); bk, rd (power pair)                                              |
| Shield                        | yes                                                                                  |
|                               | min. 65%                                                                             |
| Material (jacket)             | PUR                                                                                  |
| Outer-Ø (jacket)              | 6.9 mm ±5%                                                                           |
| Color (jacket)                | violet                                                                               |
| chemical resistance           | good resistance to oil, gasoline and chemicals                                       |
| thermal resistance            | flame retardant                                                                      |
| Nominal voltage               | 300 V                                                                                |
| Temperature range (fixed)     | -40...+80 °C                                                                         |
| Temperature range (mobile)    | -30...+70 °C                                                                         |
| Bend radius (fixed)           | 6× outer Ø                                                                           |
| Bend radius (moving)          | 10× outer Ø                                                                          |
| Traversing distance (C-track) | max. 5 m (horizontal)                                                                |
| Travel speed (C-track)        | max. 3 m/s                                                                           |
| Acceleration (C-track)        | max. 5 m/s <sup>2</sup>                                                              |
| Jacket Color                  | violet                                                                               |

## Technical Data

|                                    |                                                                  |
|------------------------------------|------------------------------------------------------------------|
| Operating voltage                  | max. 60 V AC/DC                                                  |
| Operating voltage (only UL listed) | max. 30 V AC/DC                                                  |
| Operating current per contact      | max. 4 A                                                         |
| Locking of ports                   | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Locking material | Zinc die casting, matte nickel plated               |
| Protection       | IP65, IP66K, IP67 inserted and tightened (EN 60529) |

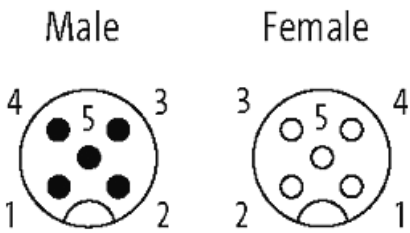
General data

|                   |                                          |
|-------------------|------------------------------------------|
| Temperature range | -25...+85 °C, depending on cable quality |
|-------------------|------------------------------------------|

Commercial data

|                       |               |
|-----------------------|---------------|
| country of origin     | CZ            |
| customs tariff number | 85444290      |
| EAN                   | 4048879164559 |
| eClass                | 27061801      |
| Packaging unit        | 1             |

Sketch



Product may differ from Image