

**M12 female 90° shielded B-cod.with cable, Profibus**

PVC 1x2xAWG24 shielded vt UL/CSA 5m

PROFIBUS

Female 90°

M12, 2-pole

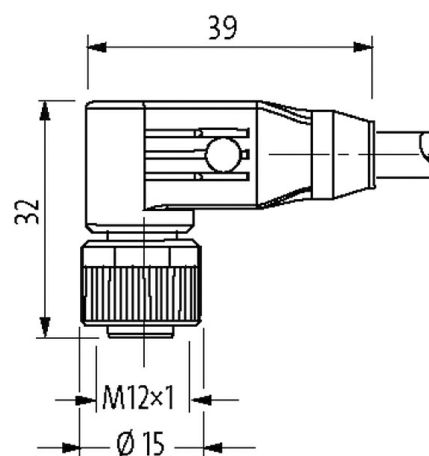
B-coded

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.

**Illustration**

Female



Product may differ from Image

**Approvals**



\* only for products with UL/CSA approved cable

cCSAus

## More Info



## Form

Form 14071

## Cables

|                                 |                              |
|---------------------------------|------------------------------|
| No./diameter of wires           | 1 × 2 × 0.25 mm <sup>2</sup> |
| Wire isolation                  | PE (rd, gn)                  |
| C-track properties              | 2 Mio.                       |
| Material (jacket)               | PVC (UL)                     |
| Outer Ø                         | 7.8 mm ±5%                   |
| Bend radius (moving)            | 12 × outer Ø                 |
| Temperature range (fixed)       | -25...+70 °C                 |
| Temperature range (mobile)      | -20...+50 °C                 |
| Cable identification            | 850                          |
| Cable weight [g/m]              | 75,90                        |
| Material (wire)                 | Cu wire, bare                |
| Resistor (core)                 | max. 68 Ω/km (20 °C)         |
| Single wire Ø (core)            | 0.13 mm                      |
| Construction (core)             | 19 × 0.13 mm                 |
| Diameter (core)                 | 1 × 2 × 0.25 mm <sup>2</sup> |
| AWG                             | similar to AWG 24            |
| Material (wire isolation)       | PE                           |
| Wire-Ø incl. isolation          | 2.55 mm ±5%                  |
| Color/numbering of wires        | rd, gn                       |
| Shield                          | yes                          |
|                                 | min. 70%                     |
| Material (jacket)               | PVC                          |
| Outer-Ø (jacket)                | 7.8 mm ±5%                   |
| Color (jacket)                  | violet                       |
| Nominal voltage                 | 30 V AC                      |
| Test voltage                    | 1.5 kV                       |
| Temperature range (fixed)       | -25...+70 °C                 |
| Temperature range (mobile)      | -20...+50 °C                 |
| Bend radius (fixed)             | 7.5 × outer Ø                |
| Bend radius (moving)            | 12 × outer Ø                 |
| No. of bending cycles (C-track) | max. 2 Mio. (25 °C)          |
| 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                                                         |
| Rated surge voltage                | 1.5 kV                                                           |
| 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)              |
| Locking material                   | Zinc die casting, matte nickel plated                            |
| Material                           | PUR                                                              |

**General data**

|                   |                                          |
|-------------------|------------------------------------------|
| Standards         | DIN EN 61076-2-101 (M12)                 |
| Pollution Degree  | 3                                        |
| Temperature range | -25...+85 °C, depending on cable quality |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879471374 |
| eClass                | 27061801      |
| Packaging unit        | 1             |