

**M12 male 90° with cable**

TPE 8x22AWG gy UL/CSA, ITC/PLTC 1,5m

USA

Male 90°

M12, 8-pole

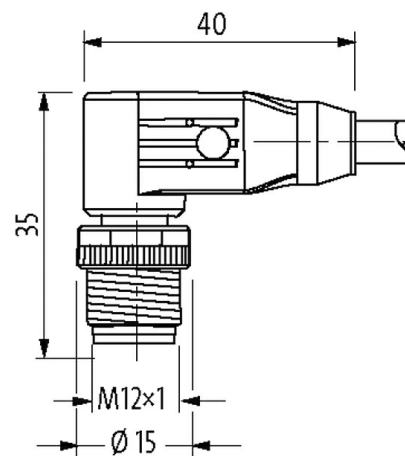
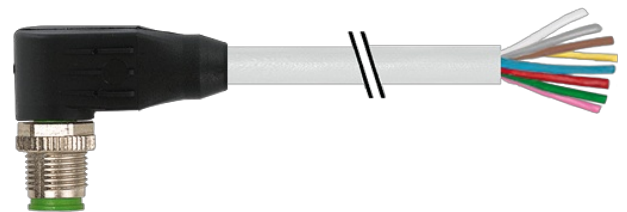
without cable sleeves

Cable is approved for 300 V

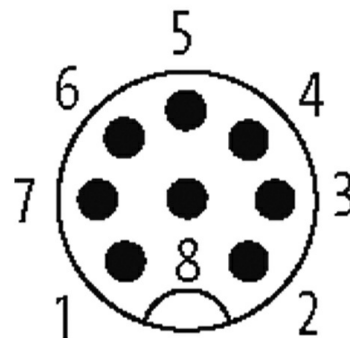
Plastic housings with good resistance against chemicals and oils.

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**

Male



Product may differ from Image

## Approvals



\* only for products with UL/CSA approved cable

## Form

Form 17021

## General data

|                           |                                          |
|---------------------------|------------------------------------------|
| Standards                 | DIN EN 61076-2-101 (M12)                 |
| Mounting method           | inserted, tightened                      |
| Pollution Degree          | 3                                        |
| Stripping length (jacket) | 60 mm                                    |
| Temperature range         | -25...+85 °C, depending on cable quality |

## Cables

|                                 |                                                |
|---------------------------------|------------------------------------------------|
| Cable identification            | U2H                                            |
| Approval (cable)                | UL (AWM-Style 20626/1731), CSA; CE conform     |
| Cable weight [g/m]              | 70,40                                          |
| Material (wire)                 | Cu wire, bare                                  |
| Resistor (core)                 | max. 46.9 Ω/km (20 °C)                         |
| Single wire Ø (core)            | 0.16 mm                                        |
| Construction (core)             | 19× 0.16 mm (multi-strand wire class 5)        |
| Diameter (core)                 | 1× 8× AWG22/19 (0.382)                         |
| Material (wire isolation)       | semi-rigid PVC                                 |
| Wire-Ø incl. isolation          | 1.27m ±5%                                      |
| Color/numbering of wires        | br, wh, rd, bl, pk, gr, ye, gn                 |
| Stranding combination           | 8 wires twisted around central filler          |
| Material (jacket)               | TPE                                            |
| Outer-Ø (jacket)                | 6.7 mm ±5%                                     |
| Color (jacket)                  | gray                                           |
| chemical resistance             | good resistance to oil, gasoline and chemicals |
| thermal resistance              | flame retardant                                |
| Nominal voltage                 | 300 V AC                                       |
| Test voltage                    | 2000 V AC                                      |
| Current load capacity           | to DIN VDE 0298-4                              |
| Temperature range (fixed)       | -40...+105 °C                                  |
| Temperature range (mobile)      | -20...+90 °C                                   |
| Bend radius (fixed)             | 5× outer Ø                                     |
| Bend radius (moving)            | 10× outer Ø                                    |
| No. of bending cycles (C-track) | max. 10 Mio. (25 °C)                           |
| Torsion stress                  | ±180°/m                                        |
| Jacket Color                    | gray                                           |

## Technical Data

|                                    |                         |
|------------------------------------|-------------------------|
| Operating voltage                  | max. 30 V AC/DC         |
| Operating voltage (only UL listed) | max. 30 V AC/DC         |
| Rated surge voltage                | 0.8 kV                  |
| Operating current per contact      | max. 2 A                |
| Material group                     | IEC 60664-1, category I |

|                                           |                                                                  |
|-------------------------------------------|------------------------------------------------------------------|
| Coding                                    | A-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                                                              |
| suitable for corrugated tube (internal Ø) | without                                                          |

Commercial data

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879733687 |
| eClass                | 27279218      |
| Packaging unit        | 1             |

Sketch

|   |                                                                                       |        |
|---|---------------------------------------------------------------------------------------|--------|
| 1 |    | white  |
| 2 |    | brown  |
| 3 |    | green  |
| 4 |    | yellow |
| 5 |   | gray   |
| 6 |  | pink   |
| 7 |  | blue   |
| 8 |  | red    |

Product may differ from Image