

**M12 male 0° / M12 female 90° A-cod.**

TPE 8x22AWG gy UL/CSA. ITC/PLTC 0.3m

USA

Male straight – female 90°

M12 – M12, 8-pole

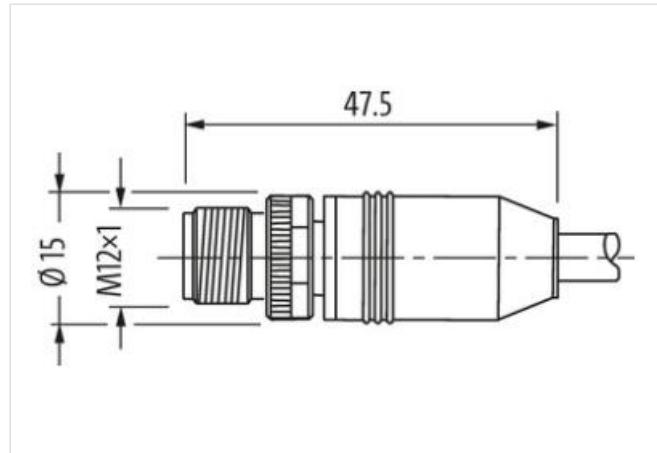
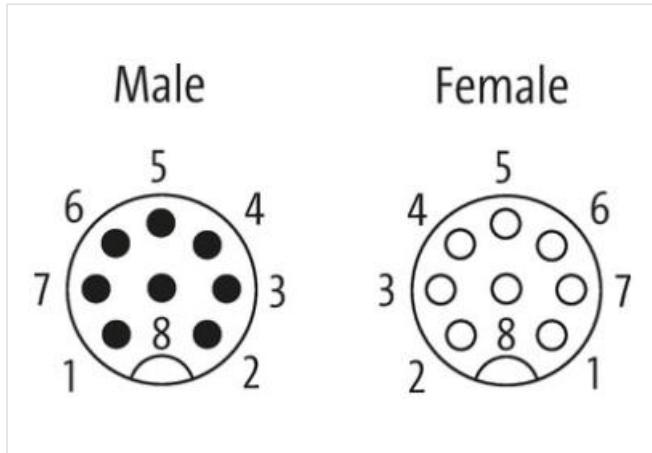
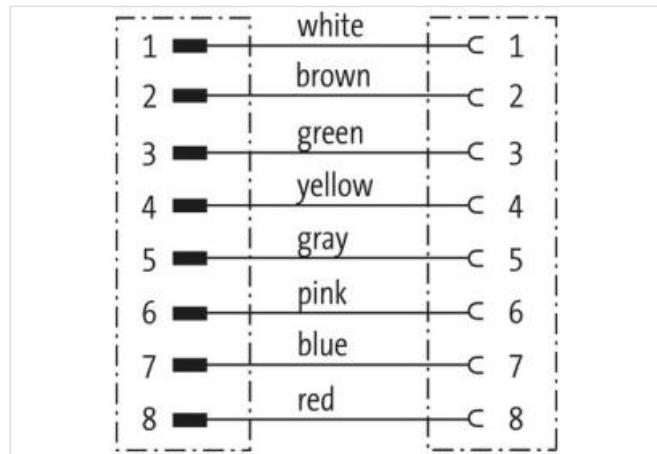
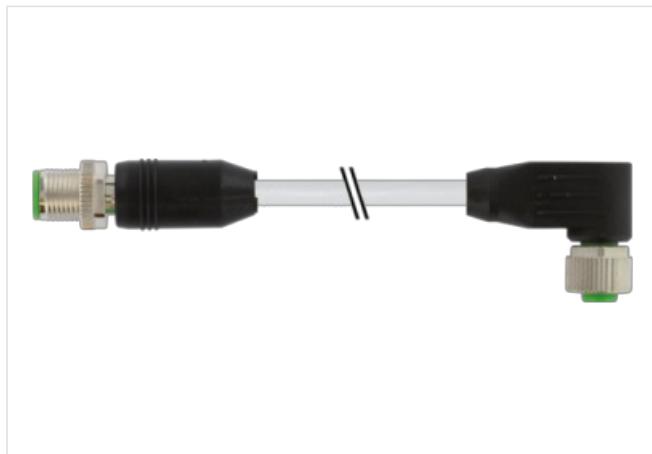
without cable sleeves

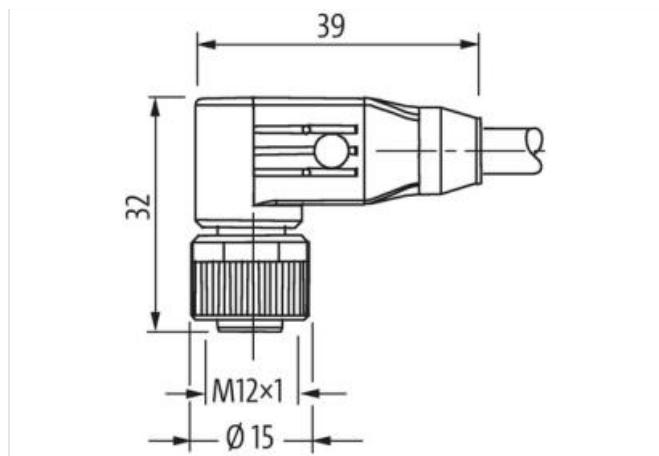
Cable is approved for 300 V

Plastic housings with good resistance against chemicals and oils.

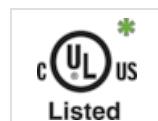
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

[Link to Product](#)**Illustration**



Product may differ from Image



\* only for products with UL/CSA approved cable

#### Form

|      |       |
|------|-------|
| Form | 48011 |
|------|-------|

#### 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 (M12x1 mm) recommended torque 0.6 Nm, self-sealing |
| Protection                                | IP65, IP66K, IP67 inserted and tightened (EN 60529)             |
| Material                                  | PUR   |
| Locking material                          | Zinc die casting, matte nickel plated                           |
| suitable for corrugated tube (internal Ø) | without   |
| Compression gland                         | M12 (SW13)  |

#### General data

|                   |  |
|-------------------|--|
| Standards         | DIN EN 61076-2-101 (M12)                 |
| Mounting method   | inserted, tightened                      |
| Pollution Degree  | 3  |
| 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]        | 70,4 g                                     |
| 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   |
| Jacket Color                           | 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  |
| Product article number of manufacturer | 7700-48011-U2H0030                             |
| Cable length                           | 0,3 m  |