

**M12 male 0° / M8 female 90° LED**

PVC 3x0.25 gy UL/CSA 3m

Male straight – female 90°

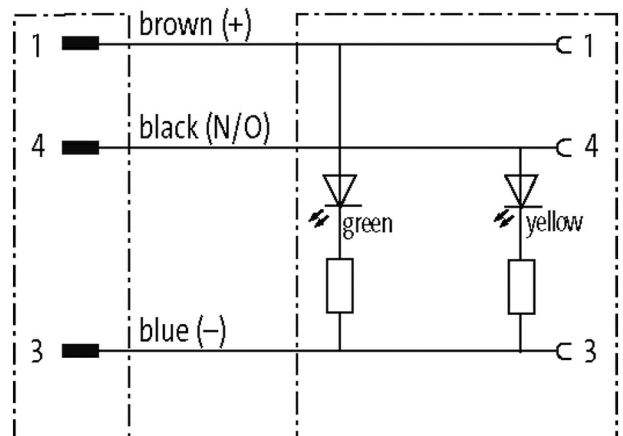
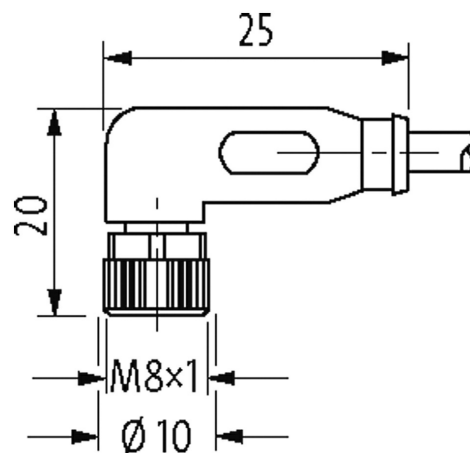
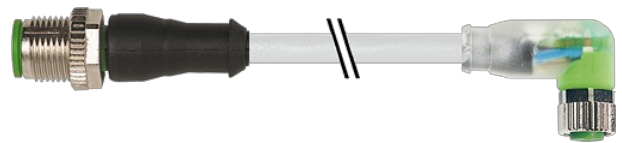
M12 – M8, 3-pole

LED (yellow/green)

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

**Approvals**



\* only for products with UL/CSA approved cable

#### Form

Form 40641

#### General data

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| Standards                  | DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8) |
| Material (contact)         | Copper alloy                                      |
| Material (contact surface) | Au                                                |
| Material (gasket)          | FKM                                               |
| Pollution Degree           | 3                                                 |
| Temperature range          | -25...+85 °C, depending on cable quality          |

#### Cables

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Cable identification               | 210                                            |
| Cable Type                         | 1 (PVC)                                        |
| Approval (cable)                   | UL (AWM-Style 2464/1731), CSA                  |
| Cable weight [g/m]                 | 29,37                                          |
| Material (wire)                    | Cu wire, bare                                  |
| Resistor (core)                    | max. 79 $\Omega$ /km (20 °C)                   |
| Single wire Ø (core)               | 0.15 mm                                        |
| Construction (core)                | 14× 0.15 mm (multi-strand wire class 5)        |
| Diameter (core)                    | 3× 0.25 mm <sup>2</sup>                        |
| AWG                                | similar to AWG 24                              |
| Material (wire isolation)          | PVC                                            |
| Material property (wire isolation) | CFC-, cadmium-, silicone- and lead-free        |
| Shore hardness (wire isolation)    | 45 ±5 D                                        |
| Wire-Ø incl. isolation             | 1.25 mm ±5%                                    |
| Color/numbering of wires           | br, bk, bl                                     |
| Stranding combination              | 3 wires twisted                                |
| Shield                             | no                                             |
| Material (jacket)                  | PVC                                            |
| Material property (jacket)         | CFC-, cadmium-, silicone- and lead-free        |
| Shore hardness (jacket)            | 85 ±5 A                                        |
| Outer-Ø (jacket)                   | 4.5 mm ±5%                                     |
| Color (jacket)                     | gray                                           |
| chemical resistance                | good resistance to oil, gasoline and chemicals |
| thermal resistance                 | flame retardant UL 1581 VW1 / CSA FT1          |
| Nominal voltage                    | UL 300 V AC                                    |
| Test voltage                       | 2000 V AC                                      |
| Current load capacity              | to DIN VDE 0298-4                              |
| Temperature range (fixed)          | -30...+80 °C                                   |
| Temperature range (mobile)         | -5...+80 °C                                    |
| Bend radius (fixed)                | 5× outer Ø                                     |
| Bend radius (moving)               | 10× outer Ø                                    |
| No./diameter of wires              | 3× 0.25 mm <sup>2</sup>                        |
| Wire isolation                     | PVC (br, bl, bk)                               |
| Jacket Color                       | gray                                           |

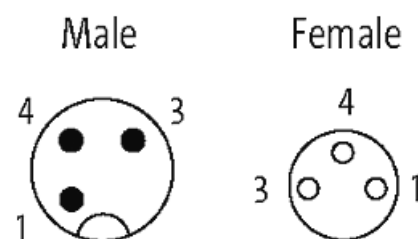
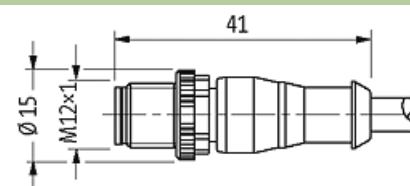
|                            |              |
|----------------------------|--------------|
| Material (jacket)          | PVC (UL/CSA) |
| Outer Ø                    | 4.5 mm ±5%   |
| Bend radius (moving)       | 10× outer Ø  |
| Temperature range (fixed)  | -30...+80 °C |
| Temperature range (mobile) | -5...+80 °C  |

**Technical Data**

|                                           |                                                                         |
|-------------------------------------------|-------------------------------------------------------------------------|
| Operating voltage                         | 24 V DC ±25%                                                            |
| Operating voltage (only UL listed)        | 30 V DC                                                                 |
| Rated surge voltage                       | 0.8 kV                                                                  |
| Operating current per contact             | max. 4 A                                                                |
| No. of poles                              | 3                                                                       |
| Current consumption                       | 5 mA                                                                    |
| Material group                            | IEC 60664-1, category I                                                 |
| Coding                                    | M12, A-coded                                                            |
| LED display                               | (yellow/green)                                                          |
| Locking of ports                          | Screw thread (M8/M12×1 mm) recommended torque 0.4/0.6 Nm, self-securing |
| Compression gland                         | M8 (SW9), M12 (SW13)                                                    |
| Protection                                | IP66K, IP67 inserted and tightened (EN 60529)                           |
| Locking material                          | Zinc die casting, matte nickel plated                                   |
| Material                                  | PUR                                                                     |
| suitable for corrugated tube (internal Ø) | M12 (10 mm); M8 (6.5 mm)                                                |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879159753 |
| eClass                | 27279218      |
| Packaging unit        | 1             |

**Sketch**

Product may differ from Image