

**M12 MALE 0° / M8 FEMALE 90° LED**

PUR 3X0.34 GRAY, UL/CSA, drag ch 2m

Male straight – female 90°

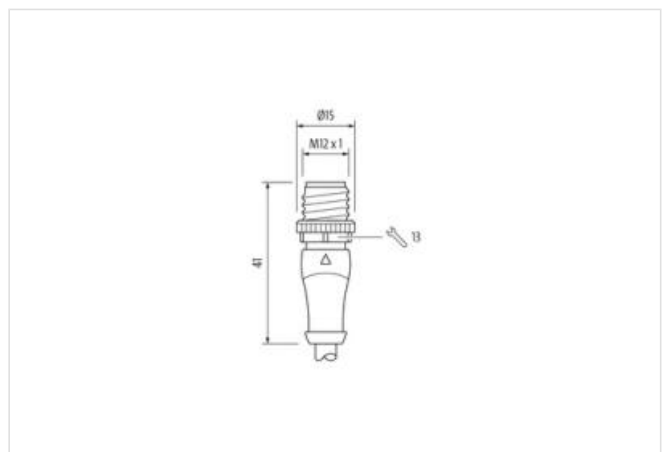
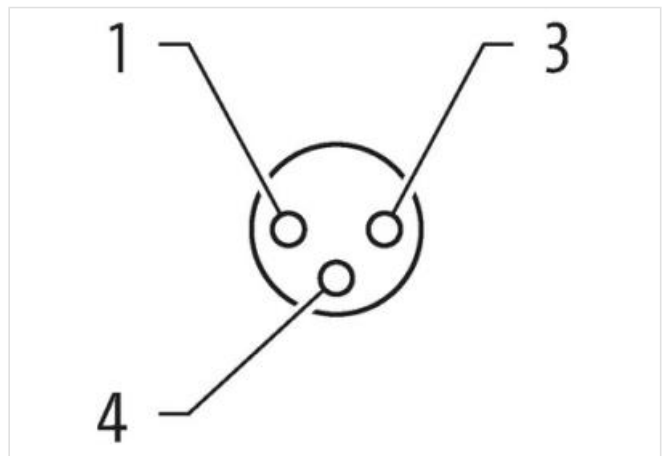
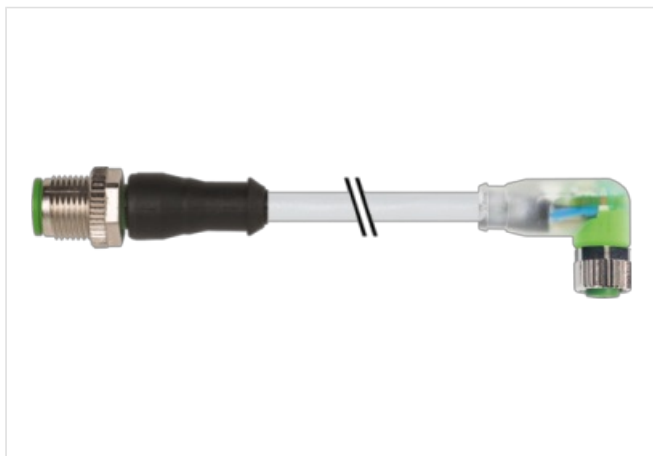
M12 – M8, 3-pole

2× LED (PNP), (NPN) on request

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 naar het product](#)**Afbeelding**



Product van afwijken van afbeelding



|                                        |                   |
|----------------------------------------|-------------------|
| Cable length                           | 2 m               |
| Side 1                                 |                   |
| Tightening torque                      | 0,6 Nm            |
| Family construction form               | M12               |
| Thread                                 | M12 x 1           |
| Degree of protection (EN IEC 60529)    | IP66K, IP67       |
| Side 2                                 |                   |
| Tightening torque                      | 0,4 Nm            |
| Family construction form               | M8                |
| Thread                                 | M8 x 1            |
| Degree of protection (EN IEC 60529)    | IP66K, IP67       |
| Commerciële gegevens                   |                   |
| ECLASS-6.0                             | 27279218          |
| ECLASS-7.0                             | 27279218          |
| ECLASS-8.0                             | 27279218          |
| ECLASS-9.0                             | 27060311          |
| ECLASS-10.1                            | 27060311          |
| ECLASS-11.1                            | 27060311          |
| ECLASS-12.0                            | 27060311          |
| ETIM-5.0                               | EC001855          |
| Douane tarief nummer                   | 85444290          |
| GTIN                                   | 4048879083751     |
| Verpakkingseenheid                     | 1                 |
| Electrical data   Supply               |                   |
| Operating voltage DC                   | 24 V              |
| Operating voltage DC min.              | 18 V              |
| Operating voltage DC max.              | 30 V              |
| Current operating per contact max.     | 4 A               |
| Device protection   Electrical         |                   |
| Additional condition protection degree | inserted, screwed |
| Mechanical data   Material data        |                   |

|                                                   |                                                                                                                                                       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Coating locking                                   | Nickeled                                                                                                                                              |
| Locking material                                  | Zinc die-casting                                                                                                                                      |
| <b>Mechanical data   Mounting data</b>            |                                                                                                                                                       |
| Mounting method                                   | inserted, screwed, Shaking protection                                                                                                                 |
| <b>Environmental characteristics   Climatic</b>   |                                                                                                                                                       |
| Operating temperature min.                        | -25 °C                                                                                                                                                |
| Operating temperature max.                        | 85 °C                                                                                                                                                 |
| Additional condition temperature range            | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>               |                                                                                                                                                       |
| Note on strain relief                             | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| Note on bending radius                            | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| <b>Installation   Cable</b>                       |                                                                                                                                                       |
| wire arrangement                                  | brown, black, blue                                                                                                                                    |
| Cable identification                              | 233                                                                                                                                                   |
| Cable Type                                        | 3                                                                                                                                                     |
| Jacket Color                                      | gray                                                                                                                                                  |
| Type of Certificate                               | cURus                                                                                                                                                 |
| Amount stranding                                  | 1                                                                                                                                                     |
| Stranding                                         | 3 wires twisted                                                                                                                                       |
| wire arrangement                                  | brown, black, blue                                                                                                                                    |
| Cable weight                                      | 29,7 g/m                                                                                                                                              |
| Material jacket                                   | PUR                                                                                                                                                   |
| Shore hardness jacket                             | 90 ± 5 Shore A                                                                                                                                        |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                        |
| Outer-diameter (jacket)                           | 4,1 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                                                                                                                 |
| Material wire insulation                          | PP                                                                                                                                                    |
| Amount wires                                      | 3                                                                                                                                                     |
| Outer diameter insulation                         | 1,25 mm                                                                                                                                               |
| Outer diameter tolerance core insulation          | ± 5 %                                                                                                                                                 |
| Shore hardness wire insulation                    | 70 ± 5 Shore D                                                                                                                                        |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                        |
| Amount strands (wire)                             | 42                                                                                                                                                    |
| Diameter of single wires                          | 0,1 mm                                                                                                                                                |
| Conductor crosssection (wire)                     | 0,34 mm <sup>2</sup>                                                                                                                                  |
| Material conductor wire                           | Stranded copper wire, bare                                                                                                                            |
| Conductor type (wire)                             | strand class 6                                                                                                                                        |
| Nominal voltage AC max.                           | 300 V                                                                                                                                                 |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                                                                                                                     |
| Current load capacity min. wire                   | 6 A                                                                                                                                                   |
| Electrical resistance line constant wire          | 57 Ω/km @ 20 °C                                                                                                                                       |
| AC withstand voltage (wire - wire)                | 2,5 kV @ 60 s                                                                                                                                         |
| Power frequency withstand voltage (wire - jacket) | 2,5 kV @ 60 s                                                                                                                                         |
| Min. operating temperature (static)               | -40 °C                                                                                                                                                |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                                                                                                                     |
| Operating temperature min. (dynamic)              | -25 °C                                                                                                                                                |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                                                                                                                     |
| Flame resistance                                  | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2                                                                                                   |
| chemical resistance                               | Good, application-related testing                                                                                                                     |
| Gasoline resistance                               | Good, application-related testing                                                                                                                     |

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Oil resistance                  | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)          | 5 x Outer diameter                                   |
| Bending radius (dynamic)        | 10 x Outer diameter                                  |
| No. of bending cycles (C-track) | 10 Mio. @ 25 °C                                      |
| Traversing distance (C-track)   | 10 m @ 25 °C   horizontal                            |
| Travel speed (C-track)          | 3 m/s @ 25 °C                                        |
| No. of torsion cycles           | 2 Mio.                                               |
| Torsion stress                  | ± 180 °/m                                            |
| Torsion speed                   | 35 cycles/min                                        |