

## M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 ye UL/CSA+drag ch. 2.5m

Male straight – female straight

M12 - M12, 8-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

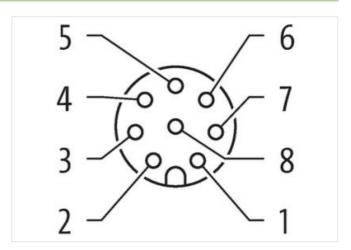
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

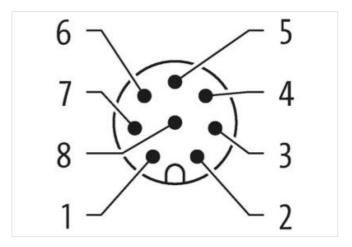
## **Link to Product**

## Illustration



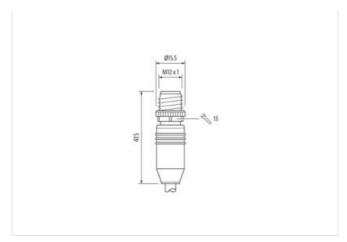


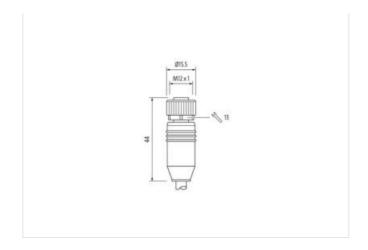






## stay connected





Product may differ from Image





| Cable length                   | 2,5 m             |
|--------------------------------|-------------------|
| Side 1                         |                   |
| Mounting method                | inserted, screwed |
| Coating contact                | gold plated       |
| Family construction form       | M12               |
| Material contact               | Copper alloy      |
| No. of poles                   | 8                 |
| Side 2                         |                   |
| Mounting method                | inserted, screwed |
| Coating contact                | gold plated       |
| Family construction form       | M12               |
| Material contact               | Copper alloy      |
| No. of poles                   | 8                 |
| Commercial data                |                   |
| ECLASS-6.0                     | 27279218          |
| ECLASS-6.1                     | 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          |
| customs tariff number          | 85444290          |
| GTIN                           | 4048879755719     |
| Packaging unit                 | 1                 |
| Electrical data   Supply       |                   |
| Operating voltage AC max.      | 30 V              |
| Operating voltage DC max.      | 30 V              |
| Device protection   Electrical |                   |
| Pollution Degree               | 3                 |
|                                |                   |



0,8 kV Rated surge voltage Material group (IEC 60664-1) **Environmental characteristics | Climatic** -25 °C Operating temperature min. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Installation | Cable Cable identification 114 Cable Type 3 Jacket Color yellow Type of Certificate cURus Amount stranding Stranding 8 wires around Core filler twisted Filler brown, white, red, blue, pink, gray, yellow, green wire arrangement Traversing distance (C-track) 10 m @ 25 °C | horizontal Cable weigth 51,7 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) 5,8 mm Tolerance outer diameter (sheath) ±5% Material wire insulation Amount wires 8 Outer diameter insulation 1,2 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) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 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 79 Ω/km @ 20 °C Electrical resistance line constant wire AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire -2,5 kV @ 60 s jacket) 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 | UL 1581 § 1100 FT2 | IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 | Good, application-related testing

Bending radius (fixed)

5 x Outer diameter



| Bending radius (dynamic) | 10 x Outer diameter |
|--------------------------|---------------------|
| Travel speed (C-track)   | 10 Mio. @ 25 °C     |
| No. of torsion cycles    | 2 Mio.              |
| Torsion stress           | ± 180 °/m           |
| Torsion speed            | 35 cycles/min       |