

**M8 female 90° A-cod. with cable**

PUR 3x0.25 gy UL/CSA+robot+drag ch. 7.5m

Female 90°

Zinc die casting, save-cover coated

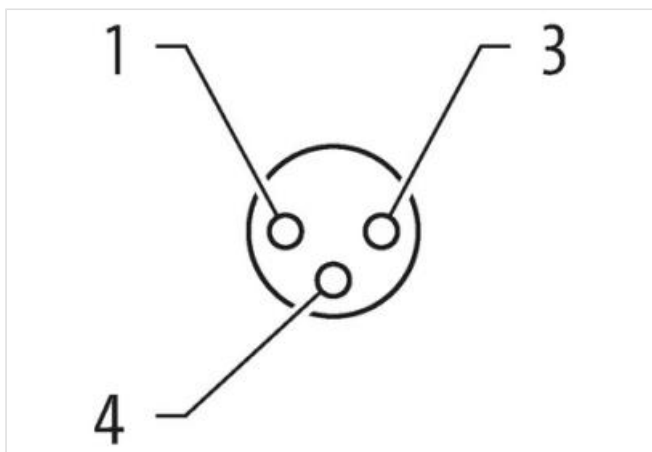
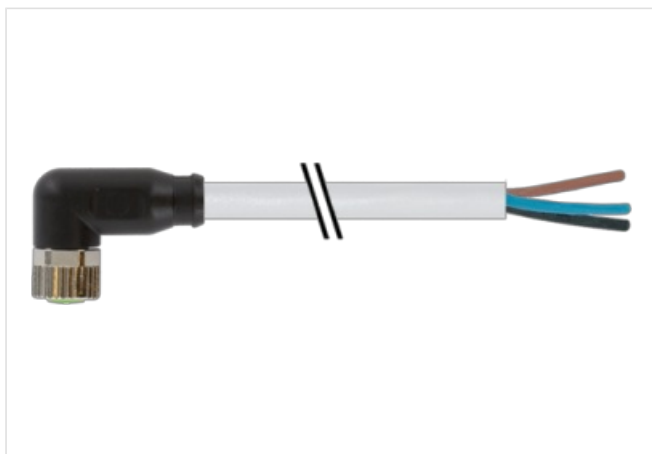
M8, 3-pole

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request  
with cable sleeves

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



Cable length

7,5 m

**Side 1**

|                                           |                   |
|-------------------------------------------|-------------------|
| Tightening torque                         | 0,4 Nm            |
| Mounting method                           | inserted, screwed |
| Coating contact                           | gold plated       |
| Family construction form                  | M8                |
| Thread                                    | M8 x 1            |
| suitable for corrugated tube (internal Ø) | 6,5 mm            |
| Cable outlet                              | angled            |
| Coding                                    | A                 |
| Material contact                          | Copper alloy      |
| Material                                  | PUR               |
| No. of poles                              | 3                 |
| Width across flats                        | SW9               |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |

**Side 2**

|                           |                |
|---------------------------|----------------|
| Stripping length (jacket) | 20 mm          |
| Coating contact           | gold plated    |
| Family construction form  | free cable end |

**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                  | 4048879228565 |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                                    |      |
|------------------------------------|------|
| Operating voltage AC max.          | 50 V |
| Operating voltage DC max.          | 60 V |
| Operating voltage AC (UL-listed)   | 30 V |
| Operating voltage DC (UL-listed)   | 30 V |
| Current operating per contact max. | 4 A  |

**Diagnostics**

|                       |    |
|-----------------------|----|
| Status indication LED | no |
|-----------------------|----|

**Installation | Connection**

|                           |        |
|---------------------------|--------|
| Stripping length (jacket) | 20 mm  |
| Mounting set              | M8 x 1 |

**Device protection | Electrical**

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 1,5 kV            |
| Material group (IEC 60664-1)           | I                 |

**Mechanical data | Material data**

|                    |                   |
|--------------------|-------------------|
| Coating locking    | safe-cover coated |
| Coating of fitting | nickel plated     |
| Material gasket    | FKM               |
| Locking material   | Zinc die-casting  |

Material screw connection      Zinc die-casting

#### Mechanical data | Mounting data

Mounting method      inserted, screwed, Shaking protection

#### Environmental characteristics | Climatic

Operating temperature min.      -25 °C

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.

Note on bending radius      **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

#### Conformity

Product standard      DIN EN 61076-2-104 (M8)

#### Installation | Cable

wire arrangement      brown, black, blue

Cable identification      250

Cable Type      5

Jacket Color      gray

Type of Certificate      cURus

Amount stranding      1

Stranding      3 wires twisted

wire arrangement      brown, black, blue

Cable weight      26,4 g/m

Material jacket      PUR

Shore hardness jacket      58 ± 3 Shore D

Freedom from ingredients (jacket)      lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Outer-diameter (jacket)      4,3 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      74 ± 3 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 mm²

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      4,5 A

Electrical resistance line constant wire      79 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      IEC 60332-2-2 | UL 1581 § 1100 FT2 | UL 1581 § 1090

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)   | 5 m @ 25 °C   horizontal                             |
| Travel speed (C-track)          | 3,3 m/s @ 25 °C                                      |
| No. of torsion cycles           | 1 Mio.                                               |
| Torsion stress                  | ± 360 °/m                                            |
| Torsion speed                   | 35 cycles/min                                        |