

**M8 male 0° A-cod. with cable**

PUR 4x0.25 gy UL/CSA+robot+drag ch. 3m

Male straight

Zinc die casting, save-cover coated

M8, 4-pole

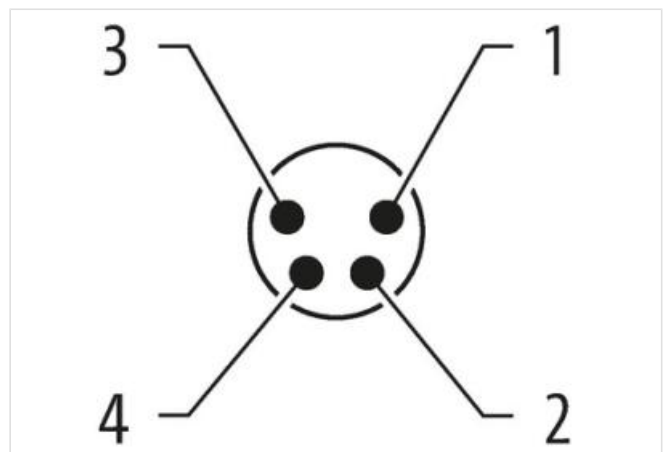
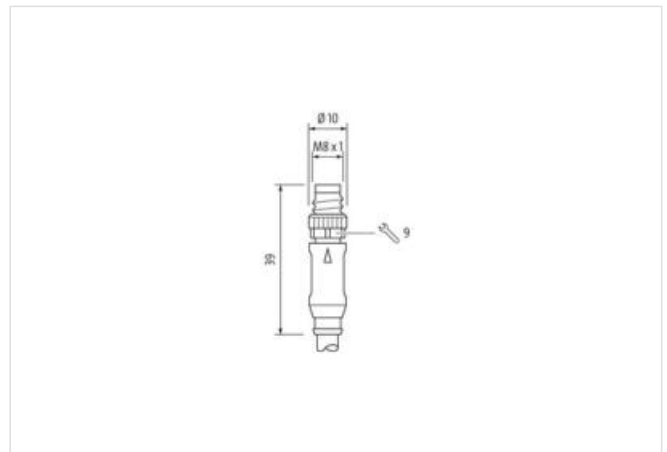
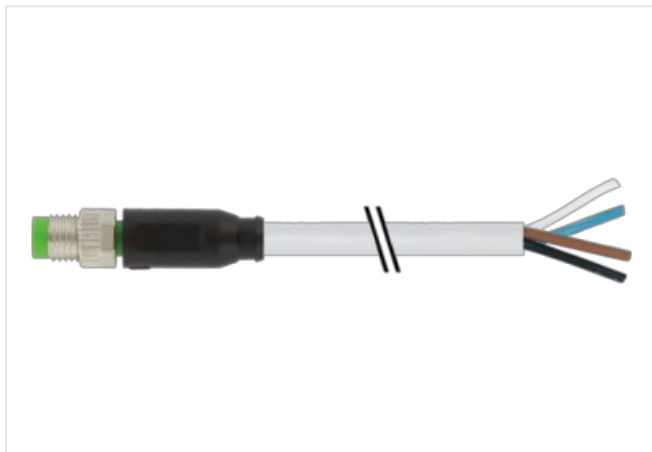
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

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.

**[Linkki tuotteeseen](#)****Kuvat**

Tuote voi erota kuvassa olevasta



Cable length

3 m

**Side 1**

Tämän tietolomakkeen tiedot on laadittu suurimmalla mahdollisella huolellisuudella.

Vahingonkorvausvastuu koskien tietojen oikeellisuutta, laajuutta ja ajankohtaisuutta kattaa ainoastaan törkeän laiminlyönnin. Versio: 21.05.2024

Murrelektronik Power Oy | Jussilankatu 6 | 15680 Lahti | Fon +358 20 7789810 | Fax +358 20 7789811 | shop@murrelektronik.fi | shop.murrelektronik.fi

|                                           |                   |
|-------------------------------------------|-------------------|
| 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                              | straight          |
| Coding                                    | A                 |
| Material contact                          | Copper alloy      |
| Material                                  | PUR               |
| No. of poles                              | 4                 |
| 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 |

**Kaupalliset tiedot**

|             |               |
|-------------|---------------|
| 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      |
| GTIN        | 4048879233064 |
| Pakkauskoko | 1             |
| Tullinumero | 85444290      |

**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 contact carrier | TPU               |
| Locking material         | Zinc die-casting  |

Material screw connection Brass

#### 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, white

Cable identification 251

Cable Type 5

Jacket Color gray

Type of Certificate cURus

Amount stranding 1

Stranding 4 wires twisted

wire arrangement brown, black, blue, white

Cable weight 31,9 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) 4,7 mm

Tolerance outer diameter (sheath) ± 5 %

Material wire insulation PP

Amount wires 4

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 3,6 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                  | DIN EN 60811-404   Good, application-related testing |
| 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                                        |