

# M8 female 0° A-cod. with cable LED

PUR 3x0.25 bk UL/CSA 10m

## ⚠ NOTICE ⚠

**PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.**

Female straight

M8, 3-pole

2x LED (PNP)

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

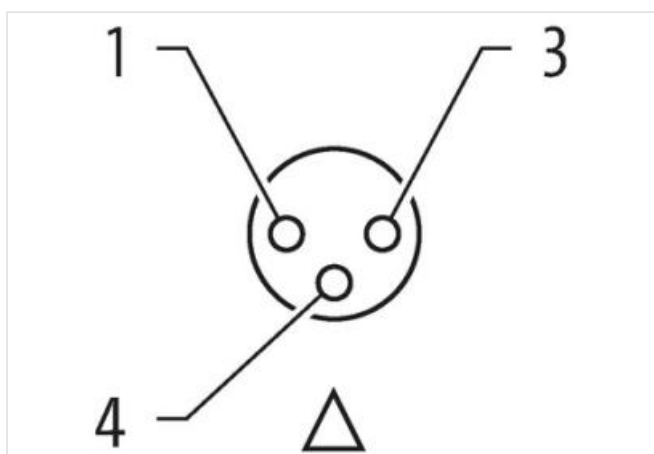
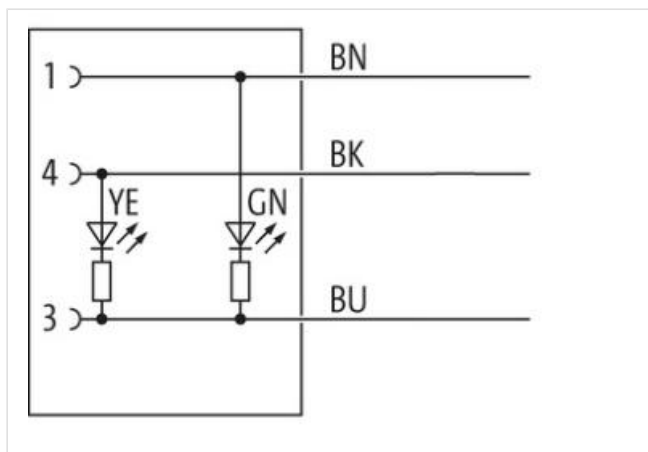
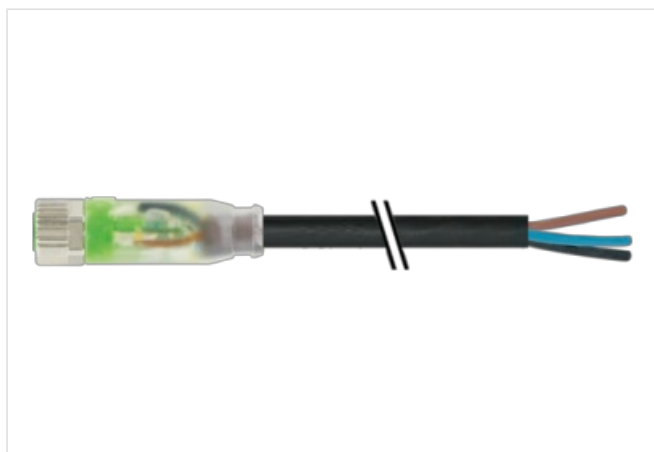
Plastic housings with good resistance against chemicals and oils.

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

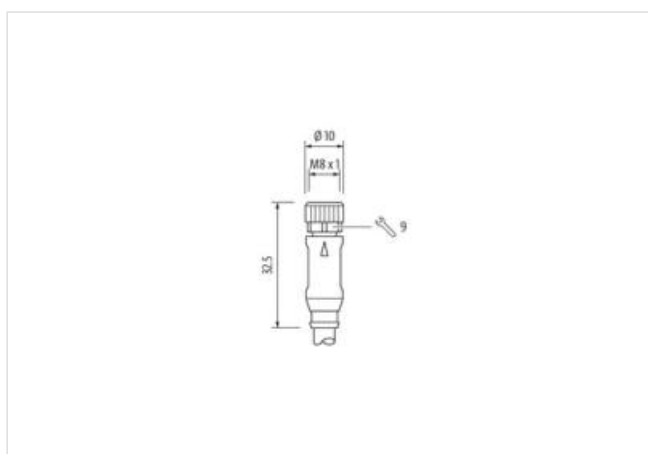
Further cable lengths on request.

## [Link til artikel](#)

### Billede



Produktet kan afvige fra billedet



Cable length 10 m

#### Side 1

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

#### Side 2

|                           |                |
|---------------------------|----------------|
| Stripping length (jacket) | 20 mm          |
| 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                  | 4048879523554 |
| Pakke-enhed           | 1             |

#### Electrical data | Supply

|                                       |      |
|---------------------------------------|------|
| Operating voltage DC                  | 24 V |
| Operating voltage DC min.             | 18 V |
| Operating voltage DC max.             | 30 V |
| Operating voltage DC max. (UL-listed) | 30 V |
| Current operating per contact max.    | 4 A  |

#### Diagnostics

|                       |               |
|-----------------------|---------------|
| Status indication LED | green, yellow |
|-----------------------|---------------|

#### 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                    | 0,8 kV            |
| Material group (IEC 60664-1)           | I                 |

#### Mechanical data | Material data

|                           |                  |
|---------------------------|------------------|
| Coating locking           | Nickeled         |
| Coating of fitting        | nickel plated    |
| 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                            | <b>Attention:</b> 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                              | 620                                                                                                                                                   |
| Cable Type                                        | 2                                                                                                                                                     |
| Jacket Color                                      | black                                                                                                                                                 |
| Type of Certificate                               | cURus                                                                                                                                                 |
| Amount stranding                                  | 1                                                                                                                                                     |
| Stranding                                         | 3 wires twisted                                                                                                                                       |
| wire arrangement                                  | brown, black, blue                                                                                                                                    |
| Cable weight                                      | 26,62 g/m                                                                                                                                             |
| Material jacket                                   | PUR                                                                                                                                                   |
| Shore hardness jacket                             | 85 ± 5 Shore A                                                                                                                                        |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, silicone-free                                                                                                      |
| Outer-diameter (jacket)                           | 4,3 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                                                                                                                 |
| Material wire insulation                          | PVC                                                                                                                                                   |
| Amount wires                                      | 3                                                                                                                                                     |
| Outer diameter insulation                         | 1,25 mm                                                                                                                                               |
| Outer diameter tolerance core insulation          | ± 5 %                                                                                                                                                 |
| Shore hardness wire insulation                    | 43 ± 5 Shore D                                                                                                                                        |
| Material properties wire insulation               | good machinability                                                                                                                                    |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-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 kV @ 60 s                                                                                                                                           |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                                                                                                                           |
| Min. operating temperature (static)               | -30 °C                                                                                                                                                |
| Max. operating temperature (fixed)                | 80 °C                                                                                                                                                 |
| Operating temperature min. (dynamic)              | -5 °C                                                                                                                                                 |
| Operating temperature max. (dynamic)              | 80 °C                                                                                                                                                 |
| UV resistance                                     | DIN EN ISO 4892-2 A                                                                                                                                   |
| 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                                                                                                                     |

Oplysningerne i dette datablad er udarbejdet med størst mulig omhu.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 19.05.2024

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| Oil resistance                  | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)          | 10 x Outer diameter                                  |
| Bending radius (dynamic)        | 15 x Outer diameter                                  |
| No. of bending cycles (C-track) | 2 Mio. @ 25 °C                                       |
| Traversing distance (C-track)   | 5 m @ 25 °C   horizontal                             |
| Travel speed (C-track)          | 3,3 m/s @ 25 °C                                      |