

## M8 male 0° / M12 female 90° A-cod.

PUR 3x0.25 gy UL/CSA+drag ch. 1m

Male straight – female 90° M8 – M12, 3-pole M12, A-coded

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

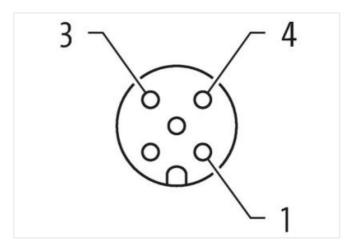
Plastic housings with good resistance against chemicals and oils.

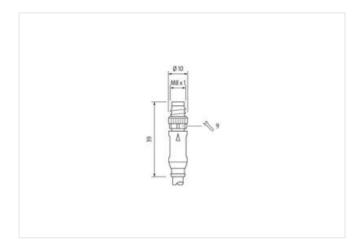
The resistance to aggressive media should be individually tested for your application. Further details on request.

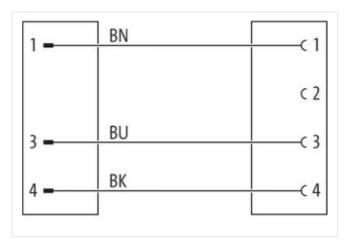
## **Link to Product**

## Illustration



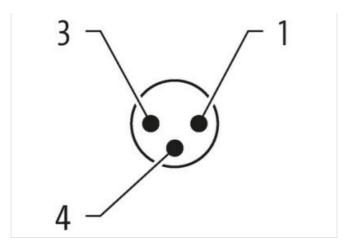


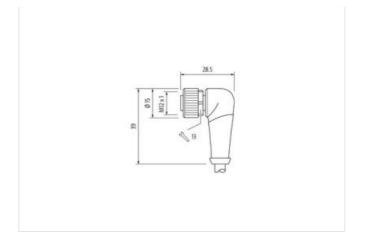






stay connected





Product may differ from Image











| Cable length   | 1 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            |
| Coding   | A                 |
| Material contact                                     | Copper alloy      |
| No. of poles   | 3                 |
| Width across flats                                   | SW9               |
| Side 2   |                   |
| Tightening torque                                    | 0,6 Nm            |
| Mounting method                                      | inserted, screwed |
| Coating contact                                      | gold plated       |
| Family construction form                             | M12               |
| Thread   | M12 x 1           |
| suitable for corrugated tube (internal $\emptyset$ ) | 10 mm             |
| Coding   | A                 |
| Material contact                                     | Copper alloy      |
| No. of poles   | 3                 |
| Width across flats                                   | SW13              |
| 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          |



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| ETIM-5.0                                 | EC001855   |
|--|--|
| customs tariff number                    | 85444290   |
| GTIN                                     | 4048879122917  |
| 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  |
| · ·                                      | TA   |
| Diagnostics  Chatus indication LED       |  |
| Status indication LED                    | no   |
| Device protection   Electrical           |  |
| Degree of protection (EN IEC 60529)      | IP65, IP67, IP68, IP66K  |
| 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                          | Nickeled   |
| Material gasket                          | FKM  |
| Material housing                         | PUR  |
| Locking material                         | 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.    |
|  | 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.  |
| Conformity                               |  |
| Product standard                         | DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  |
| Installation   Cable                     |  |
| Cable identification                     | 230  |
| Cable Type                               | 3  |
| Jacket Color                             | gray   |
| Type of Certificate                      | cURus  |
| Amount stranding                         | 1  |
| Stranding                                | 3 wires twisted  |
| wire arrangement                         | brown, black, blue   |
| Traversing distance (C-track)            | 10 m @ 25 °C   horizontal  |
| Cable weigth                             | 26,4 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   |

Flame resistance chemical resistance

Gasoline resistance

Bending radius (fixed)

Travel speed (C-track)

No. of torsion cycles

Torsion stress

Torsion speed

Bending radius (dynamic)

Oil resistance



| 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)                             | 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                   | 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                              |

IEC 60332-2-2 | UL 1581 § 1090 | UL 1581 § 1100 FT2

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

Good, application-related testing

Good, application-related testing

5 x Outer diameter

10 x Outer diameter

10 Mio. @ 25 °C

2 Mio.

± 180 °/m

35 cycles/min