

**M12 female 0° A-cod. with cable**

PUR 3x0.34 bk UL/CSA 7.5m

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

Female straight

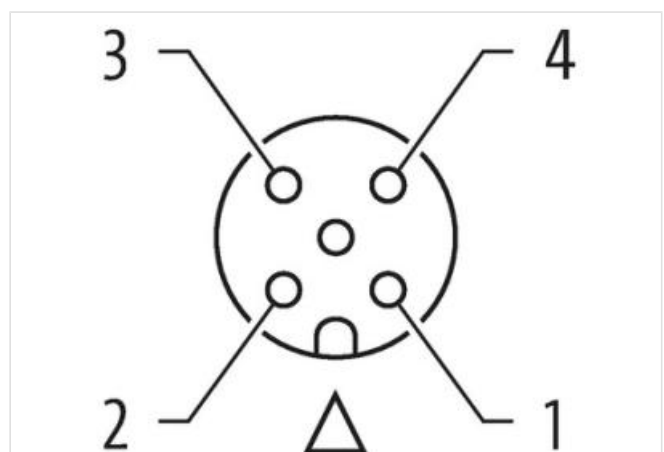
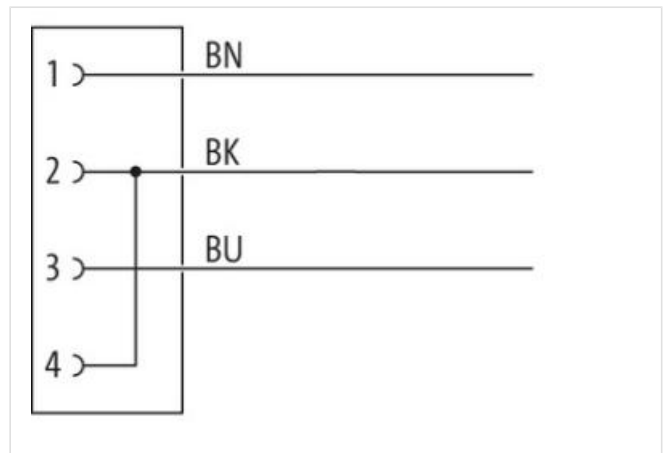
M12, 4-pole

Art-No. 7005 - M12 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

|                                           |                   |
|-------------------------------------------|-------------------|
| <b>Side 1</b>                             |                   |
| 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 Ø) | 10 mm             |
| Coding                                    | A                 |
| Material contact                          | Copper alloy      |
| Material                                  | PUR               |
| No. of poles                              | 4                 |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |
| <b>Side 2</b>                             |                   |
| Stripping length (jacket)                 | 20 mm             |
| Coating contact                           | gold plated       |
| <b>Commercial data</b>                    |                   |
| 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                                      | 4048879456296     |
| Packaging unit                            | 1                 |
| <b>Electrical data   Supply</b>           |                   |
| Operating voltage AC max.                 | 250 V             |
| Operating voltage DC max.                 | 250 V             |
| Operating voltage AC (UL-listed)          | 30 V              |
| Operating voltage DC (UL-listed)          | 30 V              |
| Current operating per contact max.        | 4 A               |
| <b>Diagnostics</b>                        |                   |
| Status indication LED                     | no                |
| <b>Installation   Connection</b>          |                   |
| Stripping length (jacket)                 | 20 mm             |
| Mounting set                              | M12 x 1           |
| <b>Device protection   Electrical</b>     |                   |
| Additional condition protection degree    | inserted, screwed |
| Pollution Degree                          | 3                 |
| Rated surge voltage                       | 2,5 kV            |
| Material group (IEC 60664-1)              | I                 |
| <b>Mechanical data   Material data</b>    |                   |
| Coating locking                           | Nickel            |
| 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

#### Conformity

Product standard      DIN EN 61076-2-101 (M12)

#### Cable

Cable identification      623

Cable Type      2 (PUR/PVC)

Approval (cable)      UL (AWM-Style 20549/1731), CSA; CE conform

Cable weight [g/m]      35,97 g

Material wire      Cu wire, bare

Resistor (core)      max. 57 Ω/km (20 °C)

Single wire Ø (core)      0.1 mm

Construction (core)      42× 0.1 mm (multi-strand wire class 6)

Diameter (core)      3× 0.34 mm²

AWG      similar to AWG 22

Material wire isolation      PVC

Material property wire insulation      CFC-, cadmium-, silicone- and lead-free

Shore hardness wire isolation      43 ±5 D

Wire-Ø incl. isolation      1.25 mm ±5%

Color/numbering of wires      black similar to RAL 9005

Stranding combination      3 wires twisted

Shield      no

Material jacket      PUR/PVC

Material property (jacket)      CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant

Shore hardness jacket      80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)

Outer-Ø (jacket)      4.3 mm ±5%

Color jacket      black

chemical resistance      good resistance to oil, gasoline and chemicals

Nominal voltage      UL 300 V AC

Test voltage      2000 V AC

Current load capacity      to DIN VDE 0298-4

Temperature range (fixed)      -30...+80 °C

Temperature range (mobile)      -5...+80 °C

Bending radius (fixed)      10× outer Ø

Bending radius (dynamic)      15× outer Ø

No. of bending cycles (C-track)      max. 2 Mio. (25 °C)

Travel speed (C-track)      max. 3.3 m/s

Acceleration (C-track)      max. 5 m/s²