

**M12 female 0° A-cod. with cable**

PUR 5x0.5 gy drag ch. 12m

Female straight

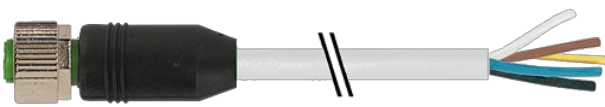
M12, 5-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request  
with cable sleeves

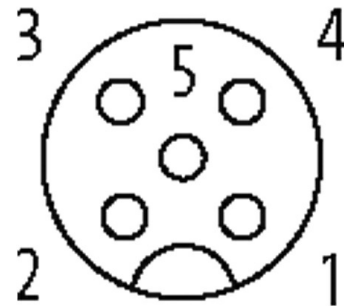
Plastic housings with good resistance against chemicals and oils.

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**

Female



Product may differ from Image

**Form**

Form 12241

**Technical Data**

Operating voltage max. 125 V AC/DC

Rated surge voltage 1.5 kV

Operating current per contact max. 4 A

No. of poles 5

Material group IEC 60664-1, category I

|   |  |
|---|--|
| Coding                                    | A-coded  |
| LED display                               | no   |
| Locking of ports                          | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Compression gland                         | M12 (SW13)   |
| Protection                                | IP67 inserted and tightened (EN 60529)                           |
| Material                                  | PUR  |
| Locking material                          | Zinc die casting, matte nickel plated                            |
| suitable for corrugated tube (internal Ø) | without  |

#### General data

|                            |  |
|----------------------------|--|
| Standards                  | DIN EN 61076-2-101 (M12)                 |
| Mounting method            | inserted, tightened                      |
| Material (contact)         | Copper alloy                             |
| Material (contact surface) | Au                                       |
| Material (gasket)          | FKM                                      |
| Pollution Degree           | 3  |
| Stripping length (jacket)  | 20 mm                                    |
| Temperature range          | -25...+85 °C, depending on cable quality |

#### Cables

|                                    |  |
|------------------------------------|--|
| Cable number                       | 437  |
| No./diameter of wires              | 5× 0.5 mm <sup>2</sup>   |
| Wire isolation                     | PP (bk num, gnye)  |
| C-track properties                 | 2 Mio.   |
| Jacket Color                       | gray   |
| Material (jacket)                  | PUR  |
| Outer Ø                            | 6.2 mm ±5%   |
| Bend radius (moving)               | 15× outer Ø  |
| Temperature range (fixed)          | -40...+90 °C   |
| Temperature range (mobile)         | -5...+90 °C  |
| Cable identification               | 437  |
| Approval (cable)                   | CE   |
| Cable weight [g/m]                 | 57,20  |
| Material (wire)                    | Cu wire, bare  |
| Resistor (core)                    | max. 39 Ω/km (20 °C)   |
| Single wire Ø (core)               | 0.15 mm  |
| Construction (core)                | 28× 0.15 mm (multi-strand wire class 6)  |
| Diameter (core)                    | 5× 0.5 mm <sup>2</sup>   |
| AWG                                | similar to AWG 20  |
| Material (wire isolation)          | PP   |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free  |
| Shore hardness (wire isolation)    | 90 ±5 A  |
| Wire-Ø incl. isolation             | 1.7 mm ±5%   |
| Color/numbering of wires           | bk numbered, gnye longitudinally striped   |
| Stranding combination              | 5 wires twisted around central filler  |
| Shield                             | no   |
| Material (jacket)                  | PUR  |
| 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)            | 85 ±5 A  |
| Outer-Ø (jacket)                   | 6.2 mm ±5%   |
| Color (jacket)                     | gray   |
| Nominal voltage                    | 300 V AC   |
| Test voltage                       | 2000 V AC  |
| Current load capacity              | to DIN VDE 0298-4  |

|                                 |                         |
|---------------------------------|-------------------------|
| Temperature range (fixed)       | -40...+90 °C            |
| Temperature range (mobile)      | -5...+90 °C             |
| Bend radius (fixed)             | 10× outer Ø             |
| Bend radius (moving)            | 15× outer Ø             |
| No. of bending cycles (C-track) | max. 2 Mio. (25 °C)     |
| Traversing distance (C-track)   | max. 2 m                |
| Travel speed (C-track)          | max. 3.3 m/s            |
| Acceleration (C-track)          | max. 5 m/s <sup>2</sup> |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | CZ            |
| customs tariff number | 85444290      |
| EAN                   | 4048879456364 |
| eClass                | 27279218      |
| Packaging unit        | 1             |