

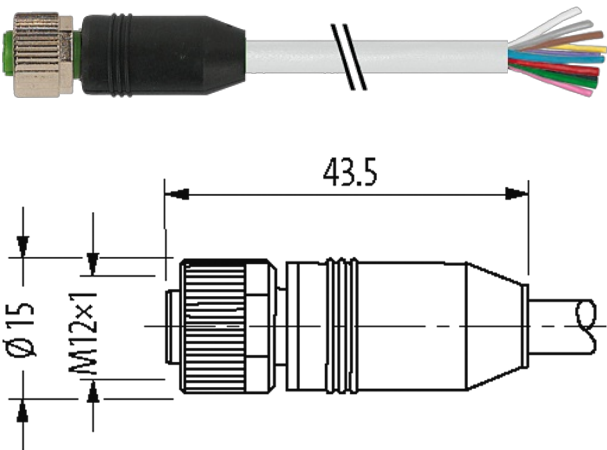
**M12 female 0° with cable**

PUR 12x0.25 gy UL/CSA+drag chain 0,6m

Female straight  
M12, 12-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

**Approvals**

|        |                                                |
|--------|------------------------------------------------|
| cCSAus | * only for products with UL/CSA approved cable |
|--------|------------------------------------------------|

**Form**

|      |       |
|------|-------|
| Form | 19041 |
|------|-------|

**General data**

|                   |                                          |
|-------------------|------------------------------------------|
| Standards         | DIN EN 61076-2-101 (M12)                 |
| Mounting method   | inserted, tightened                      |
| Pollution Degree  | 3                                        |
| Temperature range | -25...+85 °C, depending on cable quality |

**Cables**

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| No./diameter of wires      | 12× 0.25 mm²                                            |
| Wire isolation             | PP (br, bl, wh, gn, pk, ye, bk, gr, rd, vi, grpk, rdbl) |
| C-track properties         | 3 Mio.                                                  |
| Material (jacket)          | PUR (UL/CSA)                                            |
| Outer Ø                    | 6.9 mm ±5%                                              |
| Bend radius (moving)       | 15× outer Ø                                             |
| Temperature range (fixed)  | -40...+80 °C                                            |
| Temperature range (mobile) | -20...+80 °C                                            |
| Cable identification       | 301                                                     |

|                                    |                                                                           |
|------------------------------------|---------------------------------------------------------------------------|
| Approval (cable)                   | UL (AWM-Style 20233/10978), CSA approbation; CE                           |
| Cable weight [g/m]                 | 69,30                                                                     |
| Material (wire)                    | Cu wire, bare                                                             |
| Resistor (core)                    | max. 76 $\Omega$ /km (20 °C)                                              |
| Single wire Ø (core)               | 0.1 mm                                                                    |
| Construction (core)                | 32× 0.1 mm (multi-strand wire class 6)                                    |
| Diameter (core)                    | 12× 0.25 mm <sup>2</sup>                                                  |
| AWG                                | similar to AWG 24                                                         |
| Material (wire isolation)          | PP                                                                        |
| Material property (wire isolation) | CFC-, halogen-, cadmium-, silicone- and lead-free                         |
| Shore hardness (wire isolation)    | 50 ±5 D                                                                   |
| Wire-Ø incl. isolation             | 1.25 mm ±5%                                                               |
| Color/numbering of wires           | br, rd, gr, bk, ye, pk, gn, wh, bl, rdbl, grpk, vi                        |
| Stranding combination              | Twisted wires rdbl, grpk and vi, over it all other wires are twisted      |
| Shield                             | no                                                                        |
| Material (jacket)                  | PUR                                                                       |
| Shore hardness (jacket)            | 85 ±5 A                                                                   |
| Outer-Ø (jacket)                   | 6.9 mm ±5%                                                                |
| Color (jacket)                     | gray                                                                      |
| chemical resistance                | good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) |
| Nominal voltage                    | 300 V                                                                     |
| Test voltage                       | 1500 V                                                                    |
| Current load capacity              | to DIN VDE 0298-4                                                         |
| Temperature range (fixed)          | -40...+80 °C                                                              |
| Temperature range (mobile)         | -20...+80 °C                                                              |
| Bend radius (fixed)                | 10× outer Ø                                                               |
| Bend radius (moving)               | 15× outer Ø                                                               |
| No. of bending cycles (C-track)    | max. 3 Mio. (25 °C)                                                       |
| Traversing distance (C-track)      | max. 5 m (horizontal)                                                     |
| Travel speed (C-track)             | max. 2 m/s                                                                |
| Acceleration (C-track)             | max. 10 m/s <sup>2</sup>                                                  |
| Jacket Color                       | gray                                                                      |

**Technical Data**

|                                           |                                                                  |
|-------------------------------------------|------------------------------------------------------------------|
| Operating voltage                         | max. 30 V AC/DC                                                  |
| Rated surge voltage                       | 0.8 kV                                                           |
| Operating current per contact             | max. 1.5 A                                                       |
| Material group                            | IEC 60664-1, category I                                          |
| Coding                                    | A-coded                                                          |
| Locking of ports                          | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Compression gland                         | M12 (SW13)                                                       |
| Protection                                | IP65, IP66K, IP67 inserted and tightened (EN 60529)              |
| Locking material                          | Zinc die casting, matte nickel plated                            |
| Material                                  | PUR                                                              |
| suitable for corrugated tube (internal Ø) | without                                                          |

**Commercial data**

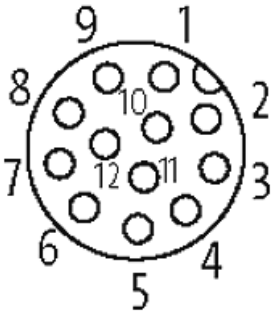
|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879537339 |

|                |          |
|----------------|----------|
| eClass         | 27279218 |
| Packaging unit | 1        |

Sketch

|    |   |           |
|----|---|-----------|
| 1  | ↪ | brown     |
| 2  | ↪ | blue      |
| 3  | ↪ | white     |
| 4  | ↪ | green     |
| 5  | ↪ | pink      |
| 6  | ↪ | yellow    |
| 7  | ↪ | black     |
| 8  | ↪ | gray      |
| 9  | ↪ | red       |
| 10 | ↪ | violet    |
| 11 | ↪ | gray/pink |
| 12 | ↪ | red/blue  |

Female



Product may differ from Image