

## M12 male 90° / M12 female 90° A-cod.

PUR 5x0.34 bk UL/CSA+drag ch. 30m

Male 90° - female 90°

M12 - M12, 5-pole

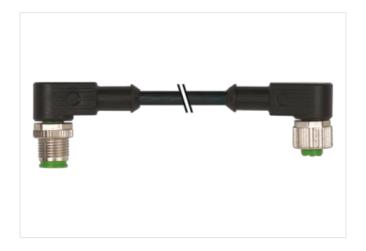
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

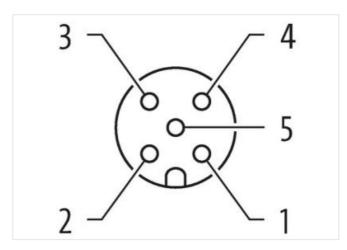
Plastic housings with good resistance against chemicals and oils.

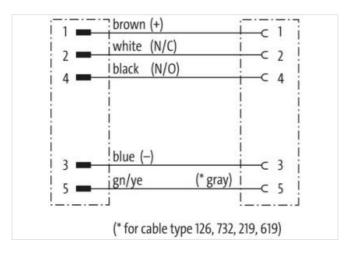
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

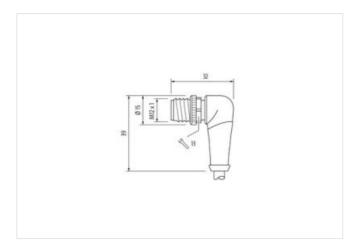
## **Link to Product**

## Illustration



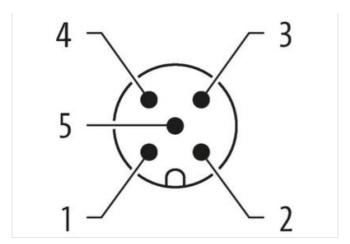


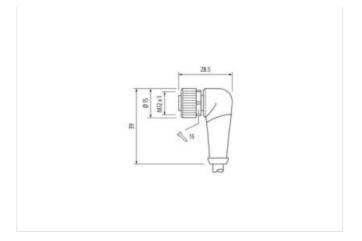






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Product may differ from Image













| Cable length                              | 30 m              |
|---|-------------------|
| Side 1                                    |                   |
| Tightening torque                         | 0,6 Nm            |
| Mounting method                           | inserted, screwed |
| Family construction form                  | M12               |
| Thread                                    | M12 x 1           |
| suitable for corrugated tube (internal Ø) | 10 mm             |
| Coding                                    | A                 |
| Material                                  | PUR               |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP66K, IP67       |
| Side 2                                    |                   |
| Tightening torque                         | 0,6 Nm            |
| Mounting method                           | inserted, screwed |
| Family construction form                  | M12               |
| Thread                                    | M12 x 1           |
| suitable for corrugated tube (internal Ø) | 10 mm             |
| Coding                                    | A                 |
| Material                                  | PUR               |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP66K, IP67       |
| Commercial data                           |                   |
| ECLASS-6.0                                | 27279218          |
| ECLASS-7.0                                | 27279218          |
| ECLASS-8.0                                | 27279218          |
| ECLASS-9.0                                | 27060311          |
| ETIM-5.0                                  | EC001855          |
| customs tariff number                     | 85444290          |
| GTIN                                      | 4048879702751     |
| Packaging unit                            | 1                 |
| Electrical data   Supply                  |                   |
| Operating voltage AC max.                 | 125 V             |



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| Operating voltage DC max.                                   | 125 V  |
|---|--|
| Operating voltage AC (UL-listed)                            | 30 V   |
| Operating voltage DC (UL-listed)                            | 30 V   |
| Current operating per contact max.                          | 4 A  |
|   | ···  |
| Installation   Connection                                   |  |
| Mounting set  | M12 x 1  |
| Device protection   Electrical                              |  |
| Additional condition protection degree                      | inserted, screwed  |
| Pollution Degree  | 3  |
| 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                                     |
| Installation   Cable  | coponiaing on outling quality                                  |
|   | 205  |
| Cable identification  | 635  |
| Cable Type  | 3  |
| Jacket Color  | black  |
| Type of Certificate   | cURus  |
| Amount stranding  | 1 5 wires around Core filler twisted                           |
| Stranding<br>Filler   |  |
| wire arrangement  | yes brown, black, blue, white, green-yellow                    |
| No. of bending cycles (C-track)                             | 10 Mio. @ 25 °C  |
| Cable weigth  | 41,8 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)                                     | 4,8 mm   |
|   | ±5%  |
| Tolerance outer diameter (sheath)  Material wire insulation | PP   |
| Amount wires  | 5  |
| Outer diameter insulation                                   | 1,25 mm  |
| Outer diameter 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)                                       | 42   |
| Diameter of single wires                                    | 0,1 mm   |
| Conductor crosssection (wire)                               | 0,34 mm <sup>2</sup>   |
| Material conductor wire                                     | Stranded copper wire, bare                                     |
| Conductor type (wire)                                       | strand class 6   |
| Traversing distance (C-track)                               | 10 m @ 25 °C   horizontal                                      |
| Current load capacity (standard)                            | to DIN VDE 0298-4  |
| Current load capacity min. wire                             | 4,5 A  |
|   |  |



| Electrical resistance line constant wire                | 57 Ω/km @ 20 °C                                      |
|---|--|
| Nominal voltage power AC max.                           | 300 V  |
| Power frequency withstand voltage power (wire - jacket) | 2,5 kV @ 60 s  |
| AC withstand voltage power (wire - wire)                | 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                    |
| UV resistance   | DIN EN ISO 4892-2 A                                  |
| Flame resistance  | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  |
| chemical resistance                                     | Good, application-related testing                    |
| Gasoline resistance                                     | Good, application-related testing                    |
| Oil resistance  | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)                                  | 5 x Outer diameter                                   |
| Bending radius (dynamic)                                | 10 x Outer diameter                                  |
| No. of torsion cycles                                   | 2 Mio.   |
| Torsion speed   | 35 cycles/min  |
| Torsion stress  | ± 180 °/m  |