

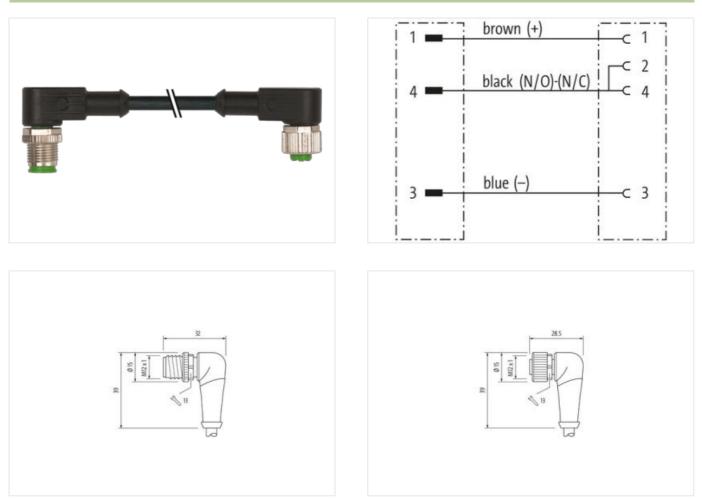
## M12 male 90° / M12 female 90° A-cod.

PVC 3x0.34 bk UL/CSA 1.5m

Male 90° – female 90° M12 – M12, 3-pole bridged 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.

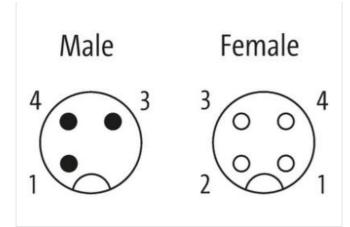
## Link to Product





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Product may differ from Image



| Cable length                              | 1,5 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       |
| Electrical data   Supply                  |                   |
| 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               |
| Installation   Connection                 |                   |
| Mounting set                              | M12 x 1           |
| Device protection   Electrical            |                   |
| Additional condition protection degree    | inserted, screwed |

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| Pollution Degree                                 | 3   |
|--|---|
| Material group (IEC 60664-1)                     |   |
| Mechanical data   Material data                  |   |
| Coating locking                                  | Nickeled  |
| Coating of fitting                               | nickel plated   |
| _ocking material                                 | Zinc die-casting  |
| Material screw connection                        | Zinc die-casting  |
| Mechanical data   Mounting data                  |   |
| Mounting method                                  | inserted, screwed, Shaking protection   |
| Environmental characteristics   Climatic         |   |
| •  |   |
| Dperating 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.   |
| Note on bending radius                           | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be<br>endangered by excessive bending forces. |
| Conformity                                       |   |
| Product standard                                 | DIN EN 61076-2-101 (M12)  |
|  |   |
| Installation   Cable                             |   |
| Cable identification                             | 613   |
| Cable Type                                       | 1   |
| acket Color                                      | black   |
| ype of Certificate                               | cURus   |
| Amount stranding                                 | 1   |
| Stranding  | 3 wires twisted   |
| vire arrangement                                 | brown, black, blue  |
| Cable weigth                                     | 34,1 g/m  |
| Material jacket                                  | PVC   |
| Shore hardness jacket                            | 85 ± 5 Shore A  |
| reedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, silicone-free  |
| Duter-diameter (jacket)                          | 4,6 mm  |
| olerance outer diameter (sheath)                 | ±5%   |
| Naterial wire insulation                         | PVC   |
| Amount wires                                     | 3   |
| Duter diameter insulation                        | 1,25 mm   |
| Duter diameter tolerance core insulation         | ±5%   |
| Shore hardness wire insulation                   | 45 ± 5 Shore D  |
| Naterial properties wire insulation              | good machinability  |
| ngredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-free  |
| mount strands (wire)                             | 19  |
| Diameter of single wires                         | 0,15 mm   |
| Conductor crosssection (wire)                    | 0,34 mm <sup>2</sup>  |
| Naterial conductor wire                          | Stranded copper wire, bare  |
| Conductor type (wire)                            | Strand class 5  |
| Iominal voltage AC max.                          | 300 V   |
| Current load capacity (standard)                 | to DIN VDE 0298-4   |
| Current load capacity min. wire                  | 6 A   |
| Electrical resistance line constant wire         | 57 Ω/km @ 20 °C   |
| AC withstand voltage (wire - wire)               | 2 kV @ 60 s   |
| Power frequency withstand voltage (wire - acket) | 2 kV @ 60 s   |
| Min. operating temperature (static)              | -30 °C  |

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| Max. operating temperature (fixed)   | 80 °C  |
|--------------------------------------|--|
| Operating temperature min. (dynamic) | -5 °C  |
| Operating temperature max. (dynamic) | 80 °C  |
| UV resistance                        | DIN EN ISO 4892-2 A                                  |
| Flame resistance                     | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  |
| 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                                  |
| Commercial data                      |  |
| customs tariff number                | 85444290   |
| Packaging unit                       | 1  |

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