

## M12 male 0° / M12 female 0° A-cod.

PUR 4x0.34 bk UL/CSA+robot+drag ch. 1m

Male straight - female straight

M12 - M12, 4-pole

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

Plastic housings with good resistance against chemicals and oils.

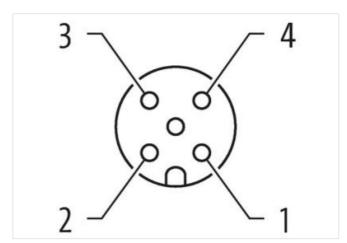
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

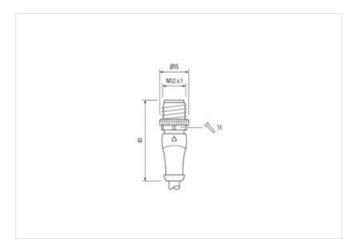
## **Link to Product**

## Illustration





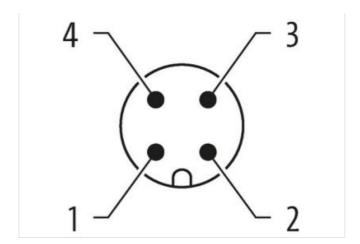






stay connected





Product may differ from Image



Cable length











| Cable longin                              |                   |
|---|-------------------|
| 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)       | IP65, 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              |
| Commercial data                           |                   |
| ECLASS-6.0                                | 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                                      | 4048879183246     |
| Packaging unit                            | 1                 |



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| 250 V<br>250 V<br>30 V  |
|---|
|   |
| <b>○○ •</b>   |
| 30 V  |
| 4 A   |
| 70  |
|   |
| M12 x 1   |
|   |
| inserted, screwed   |
| 3   |
| 2,5 kV  |
| 1   |
|   |
| safe-cover coated   |
| nickel plated   |
| Zinc die-casting  |
| Zinc die-casting  |
|   |
| inserted, screwed, Shaking protection   |
|   |
| 05.00   |
| -25 °C<br>85 °C   |
| depending on cable quality  |
| depending on cable quality  |
|   |
| Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |
| <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
|   |
| DIN EN 61076-2-101 (M12)  |
|   |
| brown, black, blue, white   |
| 654   |
| 5   |
| black   |
| cURus   |
| 1   |
| 4 wires twisted   |
| brown, black, blue, white   |
| 36,3 g/m  |
| PUR   |
| 58 ± 3 Shore D  |
| lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
| 4,7 mm  |
| ±5%   |
| PP  |
| 4   |
| 1,25 mm   |
| ±5%   |
| 74 ± 3 Shore D  |
|   |



| Amount strands (wire)                             | 42   |
|---|--|
| Diameter of single wires                          | 0,1 mm   |
| Conductor crosssection (wire)                     | 0,34 mm²   |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Conductor type (wire)                             | strand class 6                                       |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 4,8 A  |
| Electrical resistance line constant wire          | 60 Ω/km @ 20 °C                                      |
| AC withstand voltage (wire - wire)                | 2,5 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 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   IEC 60332-2-2   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                                  |
| No. of bending cycles (C-track)                   | 10 Mio. @ 25 °C                                      |
| Traversing distance (C-track)                     | 5 m @ 25 °C   horizontal                             |
| Travel speed (C-track)                            | 3,3 m/s @ 25 °C                                      |
| No. of torsion cycles                             | 1 Mio.   |
| Torsion stress                                    | ± 360 °/m  |
| Torsion speed                                     | 35 cycles/min  |