

## M12 male 0° / M12 female 0° A-cod.

PUR 4x0.34 gy UL/CSA+drag ch. 2m

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.

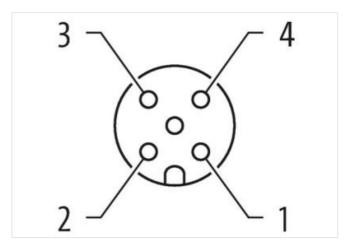
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

## **Link to Product**

## Illustration





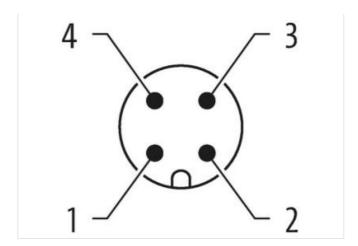






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Product may differ from Image













| Cable length                              | 2 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)       | 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-6.1                                | 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                                      | 4048879184151     |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27



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| Packaging unit  | 1  |
|---|--|
| 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  |  |
| •   | incorted parausal  |
| Additional condition protection degree  | inserted, screwed  |
| Pollution Degree  | 3<br>2,5 kV  |
| Rated surge voltage  Material group (IEC 60664-1)   | 2,5 KV   |
|   |  |
| 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   |
| Conformity  |  |
| Product standard  | DIN EN 61076-2-101 (M12)   |
| Installation   Cable  |  |
|   | 004  |
| Cable identification  | 234  |
| 0 II T  |  |
| Cable Type  | 3  |
| Jacket Color  | gray   |
| Jacket Color Type of Certificate  | gray<br>cURus  |
| Jacket Color Type of Certificate Amount stranding   | gray<br>cURus<br>1   |
| Jacket Color Type of Certificate Amount stranding Stranding   | gray cURus 1 4 wires twisted   |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement  | gray cURus 1 4 wires twisted brown, black, blue, white   |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track)  | gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C   |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth   | gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m  |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket   | gray cURus  1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR   |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket   | gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A   |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)   | gray  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C  36,3 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)   | gray  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C  36,3 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,5 mm   |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)   | gray cURus  1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 %  |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation  | gray  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C  36,3 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,5 mm   |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires   | gray cURus  1 4 wires twisted brown, black, blue, white  10 Mio. @ 25 °C  36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 % PP  |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation   | gray cURus  1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 % PP 4 1,25 mm  |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation  | gray cURus  1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 %  |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation   | gray cURus  1 4 wires twisted brown, black, blue, white  10 Mio. @ 25 °C  36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 %  PP 4 1,25 mm ± 5 % 70 ± 5 Shore D  |
| Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation                       | gray cURus  1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 36,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,5 mm ± 5 % PP 4 1,25 mm ± 5 %  |
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| 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                         | 4,8 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                    |
| Flame resistance  | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  |
| 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  |