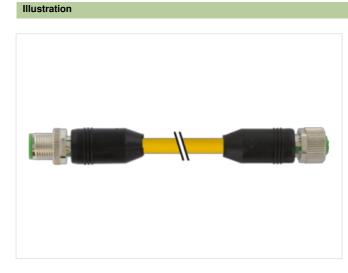


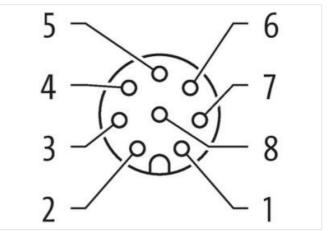
## M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 ye UL/CSA+drag ch. 3m

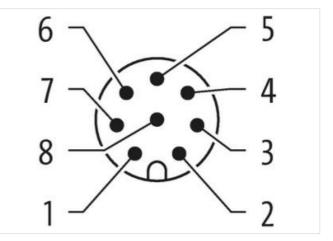
Male straight – female straight M12 – M12, 8-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



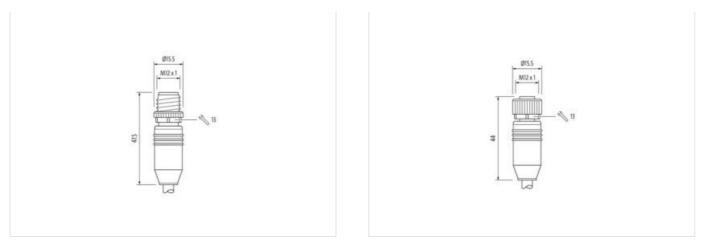


| _ | ─┐ WH |  |
|---|-------|--|
|   | BN    |  |
|   | GN    |  |
| _ | YE    |  |
| _ | GY    |  |
| _ | PK    |  |
| _ | BU    |  |
|   | RD    |  |
|   |       |  |



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: 2024-05-20





Product may differ from Image



| Cable length                   | 3 m               |
|--------------------------------|-------------------|
| Side 1                         |                   |
| Mounting method                | inserted, screwed |
| Coating contact                | gold plated       |
| Family construction form       | M12               |
| Material contact               | Copper alloy      |
| No. of poles                   | 8                 |
| Side 2                         |                   |
| Mounting method                | inserted, screwed |
| Coating contact                | gold plated       |
| Family construction form       | M12               |
| Material contact               | Copper alloy      |
| No. of poles                   | 8                 |
| 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                           | 4048879650069     |
| Packaging unit                 | 1                 |
| Electrical data   Supply       |                   |
| Operating voltage AC max.      | 30 V              |
| Operating voltage DC max.      | 30 V              |
| Device protection   Electrical |                   |
| Pollution Degree               | 3                 |
|                                |                   |

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: 2024-05-20



| Rated surge voltage  | 0,8 kV   |
|--|--|
| Material group (IEC 60664-1)   | I  |
| Environmental characteristics   Climatic   |  |
| Operating temperature min.   | -25 °C   |
| Operating temperature max.   | -25 °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.  |
| Installation   Cable   |  |
| wire arrangement   | brown, white, red, blue, pink, gray, yellow, green   |
| Cable identification   | 114  |
| Cable Type   | 3  |
| Jacket Color   | yellow   |
| Type of Certificate  | cURus  |
| Amount stranding   | 1  |
| Stranding  | 8 wires around Core filler twisted   |
| Filler   | yes  |
| wire arrangement   | brown, white, red, blue, pink, gray, yellow, green   |
| Cable weigth   | 51,7 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)  | 5,8 mm   |
| Tolerance outer diameter (sheath)  | ±5%  |
| Material wire insulation   | PP   |
| Amount wires   | 8  |
| Outer diameter insulation  | 1,2 mm   |
| Outer diameter tolerance core 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)  | 32   |
| Diameter of single wires   | 0,1 mm   |
| Conductor crosssection (wire)  | 0,25 mm <sup>2</sup>   |
| Material conductor wire  | Stranded copper wire, bare   |
|  |  |
| Conductor type (wire)  | strand class 6   |
| Nominal voltage A(`may   | 200.1/   |
| Nominal voltage AC max.  | 300 V  |
| Current load capacity (standard)   | to DIN VDE 0298-4  |
| Current load capacity (standard)<br>Current load capacity min. wire  | to DIN VDE 0298-4<br>3 A   |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire  | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C  |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -   | to DIN VDE 0298-4<br>3 A   |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -<br>jacket)  | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C<br>2,5 kV @ 60 s<br>2,5 kV @ 60 s  |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -<br>jacket)<br>Min. operating temperature (static)   | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C<br>2,5 kV @ 60 s<br>2,5 kV @ 60 s<br>-40 °C  |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -<br>jacket)<br>Min. operating temperature (static)<br>Max. operating temperature (fixed)   | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C<br>2,5 kV @ 60 s<br>2,5 kV @ 60 s<br>-40 °C<br>80 °C / 90 °C @ 10000 h Operation   |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -<br>jacket)<br>Min. operating temperature (static)<br>Max. operating temperature (fixed)<br>Operating temperature min. (dynamic)   | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C<br>2,5 kV @ 60 s<br>2,5 kV @ 60 s<br>-40 °C<br>80 °C / 90 °C @ 10000 h Operation<br>-25 °C   |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -<br>jacket)<br>Min. operating temperature (static)<br>Max. operating temperature (fixed)<br>Operating temperature min. (dynamic)<br>Operating temperature max. (dynamic)   | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C<br>2,5 kV @ 60 s<br>2,5 kV @ 60 s<br>-40 °C<br>80 °C / 90 °C @ 10000 h Operation<br>-25 °C<br>80 °C / 90 °C @ 10000 h Operation  |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -<br>jacket)<br>Min. operating temperature (static)<br>Max. operating temperature (static)<br>Operating temperature min. (dynamic)<br>Operating temperature max. (dynamic)<br>Flame resistance  | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C<br>2,5 kV @ 60 s<br>2,5 kV @ 60 s<br>-40 °C<br>80 °C / 90 °C @ 10000 h Operation<br>-25 °C<br>80 °C / 90 °C @ 10000 h Operation<br>UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2   |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -<br>jacket)<br>Min. operating temperature (static)<br>Max. operating temperature (fixed)<br>Operating temperature min. (dynamic)<br>Operating temperature max. (dynamic)<br>Flame resistance<br>chemical resistance                        | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C<br>2,5 kV @ 60 s<br>2,5 kV @ 60 s<br>-40 °C<br>80 °C / 90 °C @ 10000 h Operation<br>-25 °C<br>80 °C / 90 °C @ 10000 h Operation<br>UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2<br>Good, application-related testing                                      |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -<br>jacket)<br>Min. operating temperature (static)<br>Max. operating temperature (fixed)<br>Operating temperature min. (dynamic)<br>Operating temperature max. (dynamic)<br>Flame resistance<br>chemical resistance<br>Gasoline resistance | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C<br>2,5 kV @ 60 s<br>2,5 kV @ 60 s<br>-40 °C<br>80 °C / 90 °C @ 10000 h Operation<br>-25 °C<br>80 °C / 90 °C @ 10000 h Operation<br>UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2<br>Good, application-related testing<br>Good, application-related testing |
| Current load capacity (standard)<br>Current load capacity min. wire<br>Electrical resistance line constant wire<br>AC withstand voltage (wire - wire)<br>Power frequency withstand voltage (wire -<br>jacket)<br>Min. operating temperature (static)<br>Max. operating temperature (fixed)<br>Operating temperature min. (dynamic)<br>Operating temperature max. (dynamic)<br>Flame resistance<br>chemical resistance                        | to DIN VDE 0298-4<br>3 A<br>79 Ω/km @ 20 °C<br>2,5 kV @ 60 s<br>2,5 kV @ 60 s<br>-40 °C<br>80 °C / 90 °C @ 10000 h Operation<br>-25 °C<br>80 °C / 90 °C @ 10000 h Operation<br>UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2<br>Good, application-related testing                                      |

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: 2024-05-20



| Bending radius (dynamic)        | 10 x Outer diameter       |
|---------------------------------|---------------------------|
| No. of bending cycles (C-track) | 10 Mio. @ 25 °C           |
| Traversing distance (C-track)   | 10 m @ 25 °C   horizontal |
| Travel speed (C-track)          | 3 m/s @ 25 °C             |
| No. of torsion cycles           | 2 Mio.                    |
| Torsion stress                  | ± 180 °/m                 |
| Torsion speed                   | 35 cycles/min             |

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: 2024-05-20