

M12 male 0° / M12 female 0° A-cod.

PUR 8x0.25 ye UL/CSA+drag ch. 1m

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.

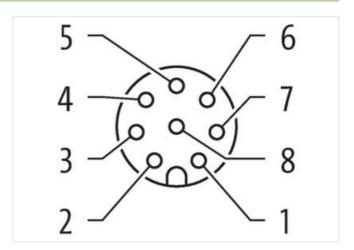
The resistance to aggressive media should be individually tested for your application. Further details on request.

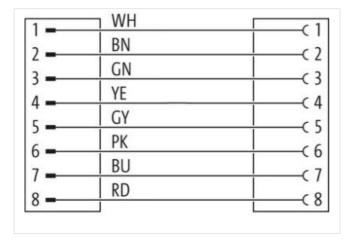
Further cable lengths on request.

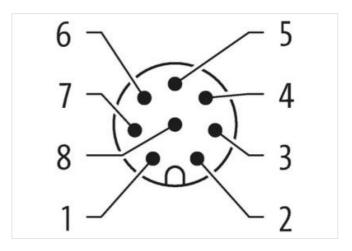
Link to Product

Illustration



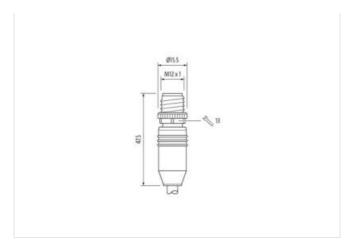


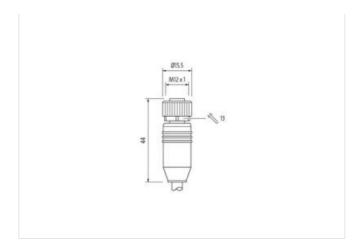






stay connected





Product may differ from Image





| Cable length | 1 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 | 4048879650045 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 30 V |
| Operating voltage DC max. | 30 V |
| Device protection Electrical | |
| Pollution Degree | 3 |
| - | |



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| Rated surge voltage | 0,8 kV |
|--|--|
| Material group (IEC 60664-1) | I |
| Environmental characteristics Climatic | |
| Operating 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 endangered by excessive bending forces. |
| Installation Cable | charigated by execusive bending forecs. |
| 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 |
| | |
| <u> </u> | 0,1 mm |
| <u> </u> | 0,1 mm 0,25 mm ² |
| Conductor crosssection (wire) | |
| Conductor crosssection (wire) Material conductor wire | 0,25 mm ² |
| Conductor crosssection (wire) Material conductor wire Conductor type (wire) | 0,25 mm² Stranded copper wire, bare |
| Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) | 0,25 mm² Stranded copper wire, bare strand class 6 |
| Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. | 0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C horizontal |
| Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) | 0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C horizontal 300 V |
| Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire | 0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 |
| Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire | 0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 3 A |
| Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - | 0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C |
| Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) | 0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C 2,5 kV @ 60 s |
| Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) | 0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C 2,5 kV @ 60 s 2,5 kV @ 60 s |
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| Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) | 0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C 2,5 kV @ 60 s 2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C |
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| Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Bending radius (fixed) | 0,25 mm² Stranded copper wire, bare strand class 6 10 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 3 A 79 Ω/km @ 20 °C 2,5 kV @ 60 s 2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing |



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