

M12 male 0° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 1m

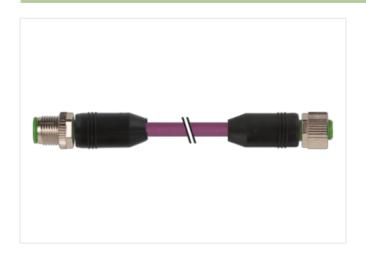
DeviceNet, CANopen Male straight – female straight M12 – M12, 5-pole A-coded shielded

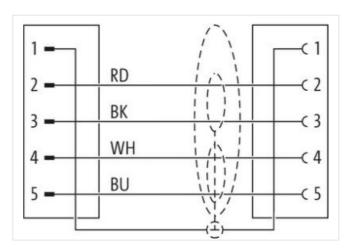
Plastic housings with good resistance against chemicals and oils.

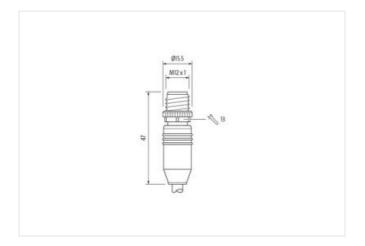
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

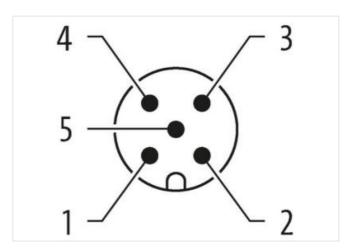
Link to Product

Illustration



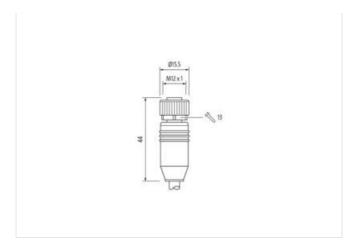


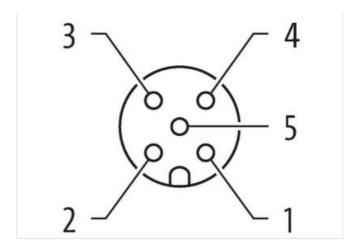






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Product may differ from Image



Cable length











| Side 1 | |
|-------------------------------------|-------------------|
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Cable outlet | straight |
| 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 |
| Cable outlet | straight |
| Coding | A |
| Material | PUR |
| Width across flats | SW13 |
| Commercial data | |
| ECLASS-6.0 | 27279218 |
| ECLASS-6.1 | 27060307 |
| ECLASS-7.0 | 27060307 |
| ECLASS-8.0 | 27060307 |
| ECLASS-9.0 | 27060307 |
| ECLASS-10.1 | 27060307 |
| ECLASS-11.1 | 27060307 |
| ECLASS-12.0 | 27060307 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879165006 |



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| Packaging unit | 1 |
|--|---|
| Electrical data Supply | |
| Operating voltage AC max. | 60 V |
| Operating voltage DC max. | 60 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 |
| Pollution Degree | 3 |
| Rated surge voltage | 1,5 kV |
| Material group (IEC 60664-1) | 130 KV |
| , | |
| Mechanical data | 94 |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| Coating of fitting | nickel plated |
| Material gasket | FKM |
| 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 |
| 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. |
| Conformity | |
| Product standard | DIN EN 61076-2-101 (M12) |
| Installation Cable | |
| Cable identification | 803 |
| Jacket Color | violet |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 2 wires twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 2 Stranded joints twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 65 % |
| Banding | Foil |
| Drain wire (cross-section) | 22 AWG |
| wire arrangement | (white, blue), (black, red) |
| Traversing distance (C-track) | 5 m |
| Cable weigth | 63,12 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 90 ± 5 Shore A |
| | |

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: 2024-05-11



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| Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 2 Outer diameter insulation 2,1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Oralid virie (cross-section) 22 AWG Material conductor wire copper stranded wire, tinned Electrical function wire Data Material vire insulation (Data) PE Outer diameter wire insulation (Data) P. Tolerance outer diameter wire insulation (Data) 1.5 mm Tolerance outer diameter wire insulation (Data) 1.5 mm Tolerance outer diameter wire insulation (Data) 1.5 mm Tolerance outer diameter wire insulation (Data) 2.2 AWG Conductor crossessetion wire (Data) 2.2 AWG Material conductor wire (Data) < | |
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| AC withstand voltage (wire - wire) 2 kV @ 60 s | |
| | |
| Electric capacitance 40000 pF/km | |
| AC withstand voltage (wire - shield) 2 kV @ 60 s | |
| Min. operating temperature (static) -40 °C | |
| Max. operating temperature (static) 40 °C | |
| | |
| Operating temperature min. (dynamic) -30 °C | |
| Operating temperature max. (dynamic) 70 °C | |
| 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 DIN EN 60811-404 Good, application-related testing | |
| Bending radius (installation) x Outer diameter | |
| Bending radius (fixed) 6 x Outer diameter | |
| Bending radius (dynamic) 10 x Outer diameter | |
| Travel speed (C-track) 1 Mio. | |
| No. of torsion cycles 2 Mio. | |
| Torsion stress ± 30 °/m | |
| Torsion speed 35 cycles/min | |