

M12 female 0° A-cod. with cable

PUR AWG24+22 shielded vt UL/CSA+drag ch. 6.65m

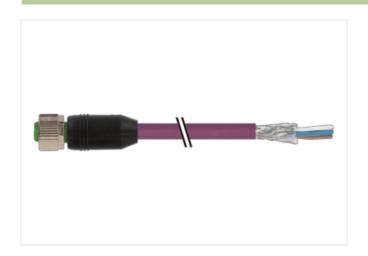
DeviceNet, CANopen Female straight M12, 5-pole A-coded

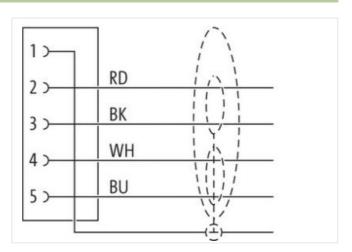
Plastic housings with good resistance against chemicals and oils.

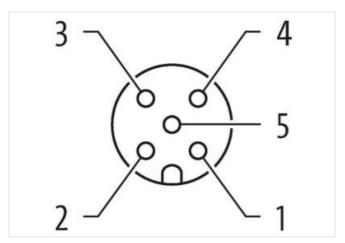
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

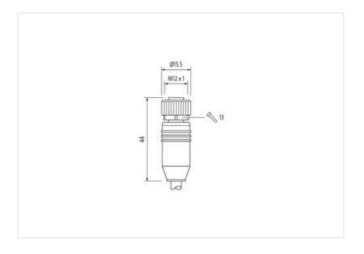
Link to Product

Illustration









Product may differ from Image













Cable length

6,65 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-03



stay connected

| Mounting method | inserted, screwed |
|--|--|
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| Material | PUR |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Side 2 | |
| | |
| Stripping length (jacket) | 20 mm |
| Commercial data | |
| ECLASS-6.0 | 27061801 |
| 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 | 4048879775311 |
| 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 | |
| Stripping length (jacket) | 20 mm |
| 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) | · |
| Mechanical data | |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| | Nickeled |
| Coating locking | |
| Coating of fitting | nickel plated FKM |
| Material gasket Locking material | Zinc die-casting |
| Material screw connection | Zinc die-casting Zinc die-casting |
| | Zino dio oddung |
| Mechanical data Mounting data | in the design of Obstitute of the Control of the Co |
| 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 | |

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: 2024-05-03



stay connected

| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
|--|---|
| | 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 | |
| | 200 |
| | 803 |
| | violet |
| <i>7</i> 1 | cURus |
| | 1 |
| | 2 wires twisted |
| g (1) p = -/ | 1 |
| <u> </u> | 2 Stranded joints twisted |
| ÷ | copper braid, tinned |
| 0 (0 / | 65 % |
| | Foil |
| , | 22 AWG |
| | (white, blue), (black, red) |
| | 5 m |
| Cable weigth | 63,12 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 90 ± 5 Shore A |
| reedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| 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 |
| Drain wire (cross-section) | 22 AWG |
| · · · · · · · · · · · · · · · · · · · | copper stranded wire, tinned |
| | Data |
| Material wire insulation (Data) | PE PE |
| | 1,5 mm |
| | ± 53 % |
| | lead-free, CFC-free, halogen-free |
| | 2 |
| • • | 19 |
| () | 22 AWG |
| | 22 AWG |
| . , | copper stranded wire, tinned |
| | Power |
| <u> </u> | 300 V |
| | to DIN VDE 0298-4 |
| | |
| Current load conceits min wire | 4,5 A |
| | C A |
| Current load capacity min. Wire (Data) | 6 A Data |



| Characteristic impedance | 120 Ω ± 10 % @ 1 MHz |
|---|--|
| Electrical resistance line constant wire | 78 Ω/km |
| Electrical resistance coating wire (Data) | 54 Ω/km |
| 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 (fixed) | 80 °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 |