

M12 male 0° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 40m

PROFIBUS

Male straight

M12, 2-pole

B-coded

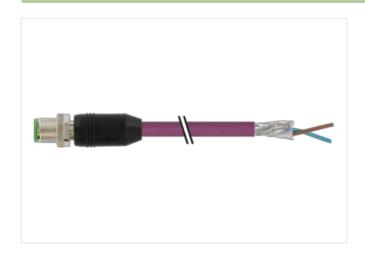
shielded

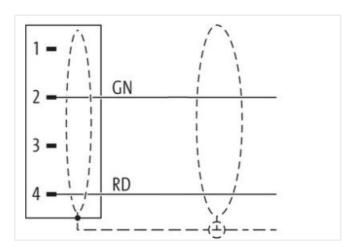
Plastic housings with good resistance against chemicals and oils.

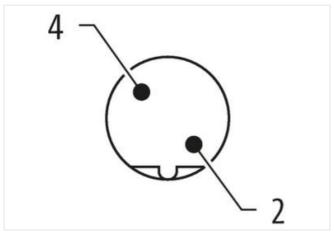
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

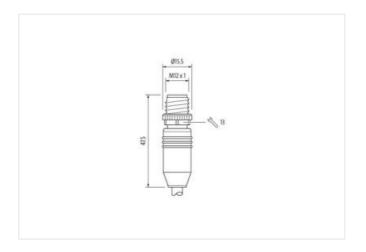
Link to Product

Illustration









Product may differ from Image















Cable length

40 m

Side 1



| stay connected |
|----------------|
| |
| |

| Tightening torque | 0,6 Nm |
|------------------------------------------|---------------------------------------|
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | В |
| 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 | 4048879599573 |
| 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) | i,o.k. |
| Mechanical data | |
| Contour for corrugated hose | without |
| Mechanical data Material data | minou. |
| · | Nickeled |
| Coating locking Coating of fitting | nickel plated |
| Locking material | Zinc die-casting |
| Material screw connection | Zinc die-casting 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 |
| | |

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: 2024-05-19



stay connected

| 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) |
| | 5.1. 2.1. 0.1. 0.1. 0.1. (|
| Installation Cable | |
| vire arrangement | red, green |
| Cable identification | 841 |
| acket Color | violet |
| ype of Certificate | cURus |
| mount stranding | 1 |
| Stranding | 2 wires with 2 Filler twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 85 % |
| Banding | Fleece, Foil |
| iller | yes |
| vire arrangement | red, green |
| Cable weigth | 70,4 g/m |
| flaterial jacket | PUR |
| Shore hardness jacket | 87 ± 3 Shore A |
| reedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket) | 7,7 mm |
| olerance outer diameter (sheath) | ±5% |
| amount wires | 2 |
| Outer diameter insulation | 2,55 mm |
| Outer diameter tolerance core insulation | ± 5 % |
| hore hardness wire insulation | 60 ± 3 Shore D |
| ngredient freeness wire insulation | lead-free, cadmium-free, CFC-free, halogen-free |
| Amount strands (wire) | 19 |
| Diameter of single wires | 24 AWG |
| Conductor crosssection (wire) | 24 AWG |
| Material conductor wire | Stranded copper wire, bare |
| Iominal voltage AC max. | 300 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 4,5 A |
| lectrical resistance line constant wire | 72,2 Ω/km @ 20 °C |
| C withstand voltage (wire - wire) | 2 kV @ 60 s |
| lectric capacitance | 29000 pF/km |
| ower frequency withstand voltage (wire - | 2 kV @ 60 s |
| C withstand voltage (wire - shield) | 2 kV @ 60 s |
| lin. operating temperature (static) | -40 °C |
| lax. operating temperature (fixed) | 80 °C |
| perating temperature min. (dynamic) | -20 °C |
| Operating temperature max. (dynamic) | 70 °C |
| lame resistance | IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 |
| hemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Dil resistance | Good, application-related testing DIN EN 60811-404 |
| Bending radius (fixed) | 7,5 x Outer diameter |
| Bending radius (dynamic) | 12 x Outer diameter |
| orianing radius (dyrianino) | 12 A Outof diameter |



Traversing distance (C-track) 5 m @ 25 °C | horizontal

Travel speed (C-track) 3 m/s @ 25 °C