

M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded rd UL/CSA+drag ch. 10m

Ethernet CAT5

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

Further cable lengths on request.

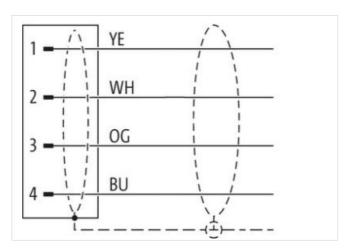
Plastic housings with good resistance against chemicals and oils.

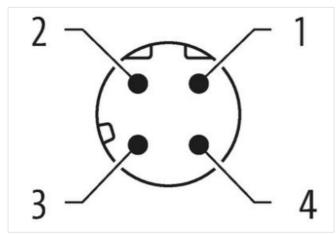
The resistance to aggressive media should be individually tested for your application. Further details on request.

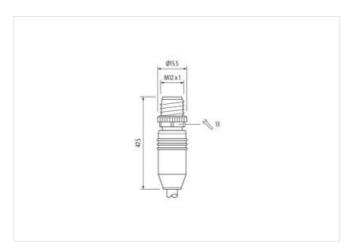
Link to Product

Illustration









Product may differ from Image











Cable length

10 m



stay connected

| Side 1 | |
|---|--|
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | D |
| Material | PUR |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| 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 | EC002599 |
| customs tariff number | 85444290 |
| GTIN | 4048879406529 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage DC max. | 60 V |
| Current operating per contact max. | 1,5 A |
| Industrial communication | |
| Transfer parameters | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max. | 100 MBit/s |
| Industrial communication Ethernet fur | nctionality |
| duplex | Full duplex |
| Installation Connection | |
| Mounting set | M12 x 1 |
| Device protection Electrical | |
| | incorted cerowed |
| Additional condition protection degree Pollution Degree | inserted, screwed 3 |
| Rated surge voltage | 1,5 kV |
| Material group (IEC 60664-1) | 1,9 AV |
| Mechanical data | |
| | without |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| Coating of fitting | nickel plated |
| 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 |
| | depending on cable quality |
| 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: 2024-05-01



stay connected

| Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 792 Jacket Color red Type of Certificate cURus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5% Material inner jacket FRNC | |
|--|--|
| Cable identification 792 Jacket Color red Type of Certificate cURus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Cable identification 792 Jacket Color red Type of Certificate cURus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Jacket Color Type of Certificate cURus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material inner jacket FRNC | |
| Type of Certificate cURus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 % Material inner jacket FRNC | |
| Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Cable shielding (type) Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement White, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) Outer-diameter (jacket) Cable weigth 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket Copper braid, tinned Sep Shore A FRNC | |
| Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| BandingFleece, FoilFilleryeswire arrangementwhite, yellow, blue, orangeCable weigth69,3 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,7 mmTolerance outer diameter (sheath)± 5 %Material inner jacketFRNC | |
| Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| wire arrangement white, yellow, blue, orange Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC | |
| Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC | |
| Material inner jacket FRNC | |
| • | |
| | |
| Color (inner jacket) natur | |
| Material wire insulation PE | |
| Amount wires 4 | |
| Outer diameter insulation 1,4 mm | |
| Outer diameter tolerance core insulation ± 5 % | |
| Shore hardness wire insulation 65 Shore D | |
| Ingredient freeness wire insulation lead-free, CFC-free, halogen-free | |
| Amount strands (wire) 7 | |
| Diameter of single wires 22 AWG | |
| Conductor crosssection (wire) 22 AWG | |
| Material conductor wire Stranded copper wire, bare | |
| Traversing distance (C-track) 5 m @ 25 °C | |
| Travel speed (C-track) 3 Mio. | |
| Nominal voltage AC max. 300 V | |
| Current load capacity (standard) to DIN VDE 0298-4 | |
| Current load capacity min. wire 4,8 A | |
| Characteristic impedance $100 \Omega \pm 15 \%$ @ 100 MHz | |
| Electrical resistance line constant wire 55 Ω/km @ 20 °C | |
| AC withstand voltage (wire - wire) 2 kV @ 60 s | |
| Electrical capacity line constant (wire - wire) 50000 pF/km | |
| Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s | |
| AC withstand voltage (wire - shield) 2 kV @ 60 s | |
| Loop resistance $5000 \text{ M}\Omega \times \text{km}$ | |
| Min. operating temperature (static) -40 °C | |
| Max. operating temperature (fixed) 80 °C | |
| Operating temperature min. (dynamic) -30 °C | |
| Operating temperature max. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C | |
| | |
| Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 | |
| chemical resistance Good, application-related testing | |
| Gasoline resistance Good, application-related testing | |
| Oil resistance DIN EN 60811-404 Good, application-related testing | |
| Bending radius (fixed) 5 x Outer diameter | |



| Bending radius (dynamic) | 12 x Outer diameter |
|--------------------------|---------------------|
| No. of torsion cycles | 1 Mio. |
| Torsion stress | ± 180 °/m |