

M12 female 0° D-cod. with cable shielded

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

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Female straight

M12, 4-pole

D-coded

shielded

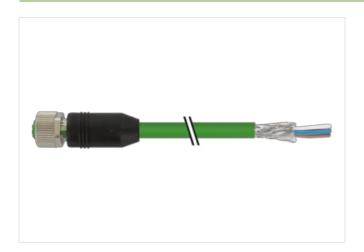
Further cable lengths on request.

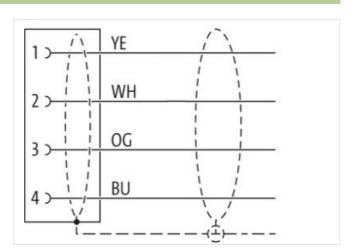
Plastic housings with good resistance against chemicals and oils.

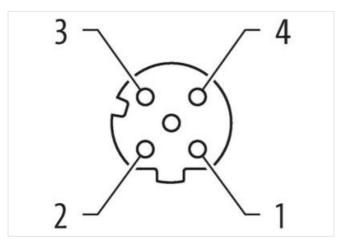
The resistance to aggressive media should be individually tested for your application. Further details on request.

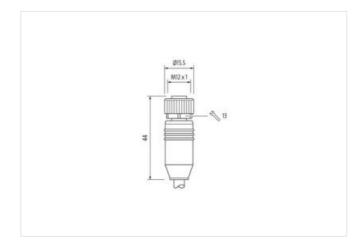
Link to Product

Illustration









Product may differ from Image





















| Cable length | 1 m |
|---|--|
| 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 | 4065909048542 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage DC max. | 60 V |
| Operating voltage DC max. (UL-listed) | 30 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 | |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 1,5 kV |
| Material group (IEC 60664-1) | I |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| | |

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: 2024-06-26



stay connected

| Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data Mounting method 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. | Coating of fitting | nickel plated |
|--|---|---|
| Material screw connection Zinc die-casting Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. 25 °C Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature and 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 lies. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ordangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement white, yellow, blue, orange Cable identification 796 Jacketi Color green Type of Certificate CUPIus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, timed Cable shielding (type) copper braid, timed Cable shielding (coverage) 85 % Banding Piecce, Foll Filler yes Banding Fiece, Foll Filler yes Banding Fiece, Foll Filler yes Shore A Freedom from ingradients (gabaqi) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Culter-diameter (jacket) 6, 7 mm Material jacket (Fince) 1, 4 mm Auterial inner jacket Fince Color (mer jacket) 1, 4 mm Auterial inner jacket Fince Color (mer jacket) 1, 4 mm Auterial inner jacket 1, 4 mm Auterial inner jacket 5, 5 % Material inner jacket 6, 5 Shore D Jumed of or insulation 1, 4 mm Auterial inner jacket 1, 4 mm Auterial inner jacket 1, 5 % Shore hardness were insulation 1, 4 mm Jumed and the fince of single wires 2 & AWG Conductor crosssection (wire) 2 & AWG Material conductor were 5, Stranded copper wire, bere Stranded copper wire, bere | | · · · · · · · · · · · · · · · · · · · |
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| 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 | | |
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| Material conductor wire Stranded copper wire, bare | - | |
| | . , | |
| Nominal voitage AC Max. 300 V | | |
| | | |
| Current load capacity (standard) to DIN VDE 0298-4 | | |
| Current load capacity min. wire 4,8 A | | · · · · · · · · · · · · · · · · · · · |
| Characteristic impedance 100 Ω ± 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 | Electrical capacity line constant (wire - wire) | SUUUU PF/KM |



| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s |
|---|--|
| AC withstand voltage (wire - shield) | 2 kV @ 60 s |
| Isolation resistance | 5000 MΩ × km |
| 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 | IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 |
| 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 bending cycles (C-track) | 3 Mio. @ 25 °C |
| Traversing distance (C-track) | 5 m @ 25 °C |
| Travel speed (C-track) | 3,3 m/s @ 25 °C |
| No. of torsion cycles | 1 Mio. 25 °C |
| Torsion stress | ± 180 °/m |