

M12 female 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 8m

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Female straight

M12, 4-pole

D-coded

shielded

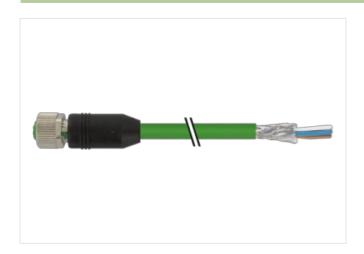
Further cable lengths on request.

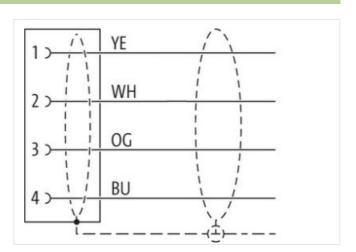
Plastic housings with good resistance against chemicals and oils.

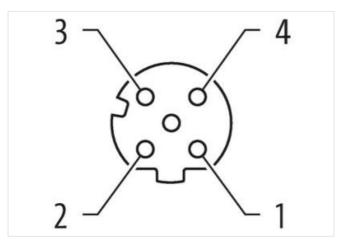
The resistance to aggressive media should be individually tested for your application. Further details on request.

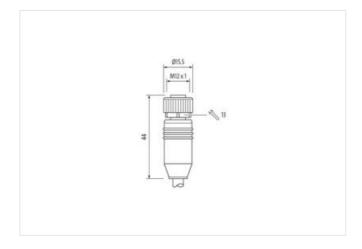
Link to Product

Illustration









Product may differ from Image



stay connected

















| Cable length | 8 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 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879817745 |
| 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) | 1 |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| | |



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| Toolsing of filting nickel plated nickel plated de-easing modeling material Znc die-casting modeling material Znc die-casting Znc die-casting Material screw connection Zinc die-casting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Departing temperature min. 25 °C depending on cable quality Important installation notes Construction of the protection |
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| Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Deparating temperature min. 25 °C Deparating 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 ities. Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Discovery of the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Discovery of the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Discovery of the permissible |
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| Amount wires 4 |
| |
| Outer diameter insulation 1,4 mm |
| Outer diameter tolerance core insulation ± 5 % |
| Shore hardness wire insulation 65 Shore D |
| ngredient 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 |
| 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 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 |



| 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 |