

M12 fem. 0° D-cod./RJ45 Push Pull 0° shielded AIDA

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.5m

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

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

Female straight - male straight

M12 - RJ45PP, 4-pole

D-coded

shielded

8-pole partly used

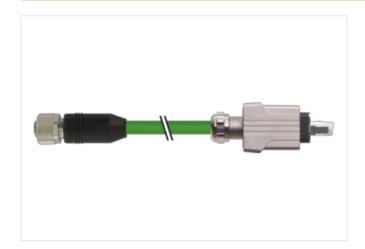
Push Pull

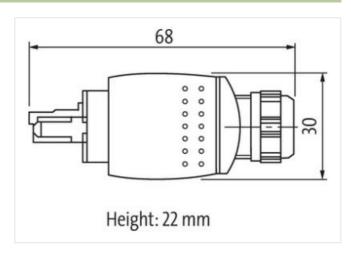
Further cable lengths on request.

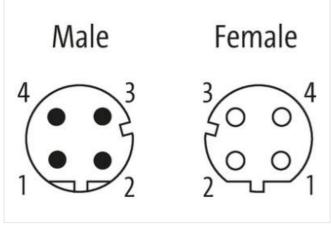
Plastic housings with good resistance against chemicals and oils.

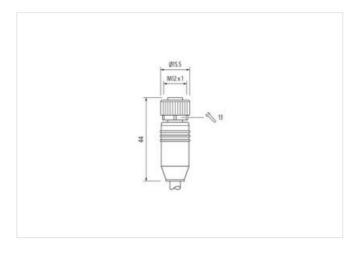
Link to Product

Illustration





















stay connected

| Side 1 Tigetening lorgace 0.6 km Family construction from M12 Thread M2 x 1 Coding D Material PUR Width across flats SW13 Side 2 Conting flead Across flats Conting flead Across flats Conting flead Across flats Contest flats< | Cable length | 0,5 m | | |
|--|--|--|--|--|
| Family construction form M12 x 1 Coding D Coding D PUR Worth across tils SW13 Side 2 Commonical data Commonical data ECLASS 6.0 27061801 ECLASS 6.1 27063907 ECLASS 7.0 27063907 ECLASS 8.0 27060907 ECLASS 9.0 27060907 ECLASS 9.0 27060907 ECLASS 9.1 | Side 1 | | | |
| Family construction form M12 x 1 Coding D Coding D PUR Worth across tils SW13 Side 2 Commonical data Commonical data ECLASS 6.0 27061801 ECLASS 6.1 27063907 ECLASS 7.0 27063907 ECLASS 8.0 27060907 ECLASS 9.0 27060907 ECLASS 9.0 27060907 ECLASS 9.1 | Tightening torque | 0.6 Nm | | |
| Tread | | · · · · · · · · · · · · · · · · · · · | | |
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| Side 2 Coaling head nickel plated Material Zinc de-casting Commercial data 2.00 de casting ECLASS-6.0 2.20 fil 80 fl ECLASS-7.0 2.70 60307 ECLASS-8.0 2.70 60307 ECLASS-8.0 2.70 60307 ECLASS-1.1 2.70 60307 ECLASS-1.1 2.70 60307 ECLASS-1.1 2.70 60307 ETM-5.0 E000835 CASS-1.1 4.70 60307 ETM-5.0 E000835 CASS-1.0 4.70 60307 ETM-5.0 E000835 CASS-1.2 2.70 60307 ETM-5.0 E000835 CASS-1.2 2.70 60307 ETM-5.0 E000835 CASS-1.2 2.70 60307 ETM-5.0 E0008255 CASS-1.0 4.70 60307 Ectrical data Supply Correct operating port control max. Operating voltage OC max. 60 V Current operating per control max. 1.5 A Industrial communication: 1.5 A | | PUR | | |
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| Material Zinc die-casting | Side 2 | | | |
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| Additional condition temperature range depending on cable quality | <u> </u> | | | |
| | | | | |
| Important installation notes | 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: 2024-05-17



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 Note on bending radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation | Cable Cable identification 796 Jacket Color green Type of Certificate cURus Amount stranding 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** 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) 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 3 Mio. @ 25 °C Travel speed (C-track) Travel speed (C-track) 3,3 m/s @ 25 °C Nominal voltage AC max. 300 V to DIN VDE 0298-4 Current load capacity (standard) 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 2 kV @ 60 s jacket) AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance $5000 \text{ M}\Omega \times \text{km}$ Min. operating temperature (static) -40 °C 80 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) -30 °C 70 °C Operating temperature max. (dynamic) Flame resistance IEC 60332-2-2 | UL 1581 § 1090 | UL 1581 § 1100 FT2

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chemical resistance

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-17

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. 25 °C |
| Torsion stress | ± 180 °/m |