

M12 male 0° / M12 female 0° D-cod. shielded

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 15m

Ethernet CAT5
Male straight – female straight
M12 – M12, 4-pole
D-coded
shielded

Further cable lengths on request.

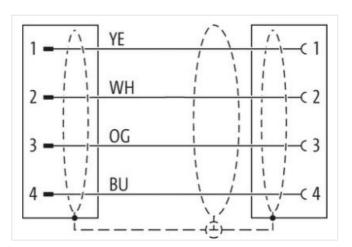
Plastic housings with good resistance against chemicals and oils.

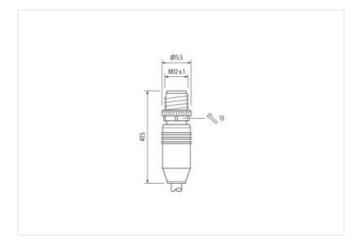
The resistance to aggressive media should be individually tested for your application. Further details on request.

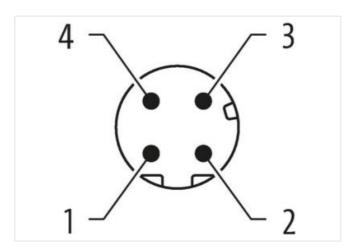
Link to Product

Illustration



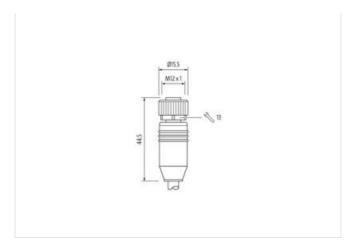


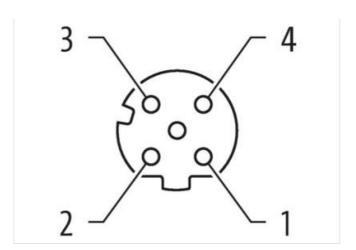






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Product may differ from Image



Cable length





15 m





| Side 1 | |
|--------------------------|-------------------|
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Cable outlet | straight |
| Coding | D |
| Material | PUR |
| No. of poles | 4 |
| Width across flats | SW13 |
| Side 2 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Cable outlet | straight |
| Coding | D |
| Material | PUR |
| No. of poles | 4 |
| Width across flats | SW13 |
| 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 | 4048879630818 |

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: 2024-05-04



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| Petertical data Supply Operating voltage DC max. 60 V Operating per contact max. 1.5 A Industrial communication Tensels parameters CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1) Obtained from the communication Tensels parameters CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1) Obtained from the communication Tensels parameters Obtained from the communication Obtained | Packaging unit | 1 |
|--|--|--|
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| Current operating per contact max. 1,5 A Industrial communication Transfer parameters Data transmission rate max. 100 MBBits Data transmission rate max. 100 MBBits Data transmission rate max. 100 MBBits Industrial communication Ethernet functionality duplex Full duplex Degree of protection Electrical Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Phillipsin Degree 3 Rated surge voltage 1,5 kV Material group (IEC 6064-1) I Mechanical data Material group (IEC 6064-1) I Mechanical data Material data Contour for corrugated hose without Mechanical data Material data Contour for corrugated hose without Mechanical data Material data Contour for corrugated hose without Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. 25 °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radius and protection of prot | | 60 V |
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| Amount stranding 1 Stranding 4 wires around 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 90 Shore A Freedom from ingredients (jacket) 6,6 mm | | - |
| Stranding 4 wires around 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 90 Shore A Freedom from ingredients (jacket) 6,6 mm | | cURus |
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| 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 90 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm | | |
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| Shore hardness jacket 90 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm | | <u>-</u> |
| Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm | | |
| Outer-diameter (jacket) 6,6 mm | | |
| | | - |
| Tolerance outer diameter (sheath) ± 5 % | | • |
| | Tolerance outer diameter (sheath) | ±5% |
| Material wire insulation PE | Material wire insulation | PE |



| Amount wires | 4 |
|---|--|
| Outer diameter insulation | 1,6 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) | 19 |
| Diameter of single wires | 22 AWG |
| Conductor crosssection (wire) | 22 AWG |
| Material conductor wire | copper stranded wire, tinned |
| 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 % MHz |
| Electrical resistance line constant wire | 59,4 Ω/km @ 20 °C |
| AC withstand voltage (wire - wire) | 2 kV @ 60 s |
| Electrical capacity line constant (wire - wire) | 52000 pF/km |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s |
| AC withstand voltage (wire - shield) | 2 kV @ 60 s |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 80 °C |
| Operating temperature min. (dynamic) | -20 °C |
| Operating temperature max. (dynamic) | 60 °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 | Good, application-related testing DIN EN 60811-404 |
| Bending radius (fixed) | 8 x Outer diameter |
| Bending radius (dynamic) | 12 x Outer diameter |
| No. of torsion cycles | 4 Mio. |
| Torsion stress | ± 180 °/m |