

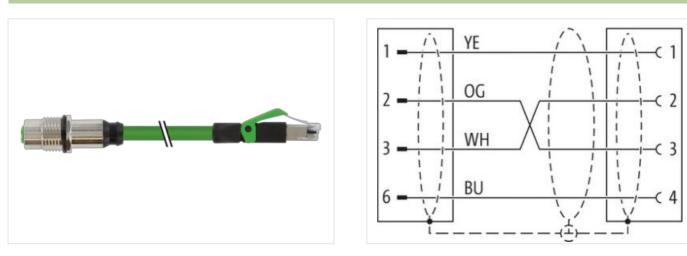
M12 fem. recept. D-cod. rear/RJ45 male 0° shielded

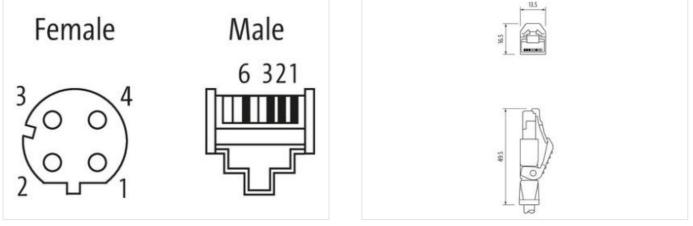
PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 2.4m

Product fulfills requirements according to UN/ECE R118 Ethernet CAT5 Plastic housings with good resistance against chemicals and oils. Flange female straight – male straight M12 – RJ45, 4-pole D-coded shielded 8-pole partly used Rear mounting Transmission properties with channel transmission up to 100 m Further cable lengths on request.

Link to Product

Illustration





Product may differ from Image



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| Cable length | 2,4 m |
|---|--|
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Family construction form | M12 |
| Thread | M12 x 1 |
| suitable for corrugated tube (internal Ø) | 10 mm |
| Coding | D |
| Material | PUR |
| Degree of protection (EN IEC 60529) | IP67 |
| Side 2 | |
| Coating head | nickel plated |
| Family construction form | RJ45 |
| Material | Brass |
| Degree of protection (EN IEC 60529) | IP20 |
| Commercial data | |
| | 07001001 |
| ECLASS-6.0 | 27061801 |
| ECLASS-6.1 ECLASS-7.0 | 27279220 27440103 |
| ECLASS-7.0 ECLASS-8.0 | 27440103 27440103 |
| ECLASS-8.0 ECLASS-9.0 | 27440103 27440103 |
| ECLASS-10.1 | 27440103 |
| ECLASS-11.1 | 27440103 |
| ECLASS-12.0 | 27440103 |
| ETIM-5.0 | EC002599 |
| customs tariff number | 85444290 |
| GTIN | 4048879894807 |
| 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) 100 MBit/s |
| Data transmission rate max. | |
| Industrial communication Ethernet funct | tionality |
| duplex | Full duplex |
| Installation Connection | |
| Mounting set | M16 x 1.5 |
| Family construction form | M12 |
| Width across flats | SW19 |
| Device protection Electrical | |
| Protection NEMA | 3, 4, 6P |
| Pollution Degree | 3 |
| Rated surge voltage | 1 kV |
| Material group (IEC 60664-1) | |
| Mechanical data Material data | |
| Coating locking | nickel plated |
| Locking material | Brass |
| Mechanical data Mounting data | |
| Mounting method | inserted, screwed |
| | |

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| 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. |
| | 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) |
| Approvals | |
| UL 50E | yes |
| Installation Cable | |
| Cable identification | 796 |
| Jacket Color | green |
| 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 | |
| wire arrangement | yes 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) | 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. @ 25 ℃ |
| Travel speed (C-track) | 3,3 m/s @ 25 °C |
| Nominal voltage AC max. | 300 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity (standard) | 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 |

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| AC withstand voltage (wire - shield) | 2 kV @ 60 s |
|--------------------------------------|--|
| Loop 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 torsion cycles | 1 Mio. 25 °C |
| Torsion stress | ± 180 °/m |

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