

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.3m

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

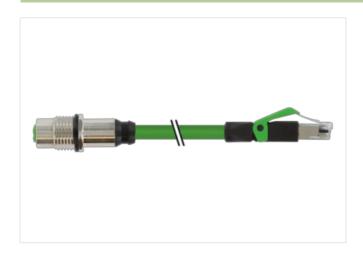
Rear mounting

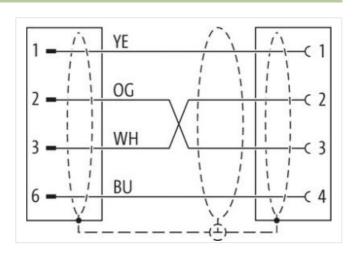
Transmission properties with channel transmission up to 100 m

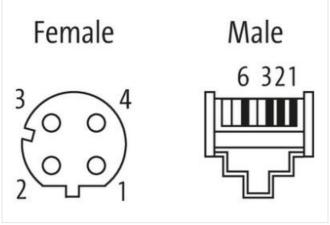
Further cable lengths on request.

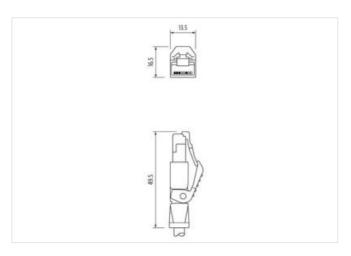
Link to Product

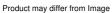
Illustration





















stay connected

| Cable length | 0,3 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 | |
| ECLASS-6.0 | 27260702 |
| ECLASS-6.1 | 27279220 |
| ECLASS-7.0 | 27440103 |
| ECLASS-8.0 | 27440103 |
| ECLASS-9.0 | 27440103 |
| ECLASS-10.1 | 27440103 |
| ECLASS-11.1 | 27440103 |
| ECLASS-12.0 | 27440103 |
| ETIM-5.0 | EC002599 |
| customs tariff number | 85444290 |
| GTIN | 4048879703192 |
| 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 func | tionality |
| duplex | Full duplex |
| <u> </u> | - Cit duplox |
| 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) | I |
| Mechanical data Material data | |
| Coating locking | nickel plated |
| Locking material | Brass |
| Mechanical data Mounting data | |
| Mounting method | inserted, screwed |



stay connected

| perating temperature min. | -25 °C |
|---|--|
| perating temperature max. | 85 °C |
| dditional condition temperature range | depending on cable quality |
| Important installation notes | |
| lote on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| lote on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Conformity | |
| Product standard | DIN EN 61076-2-101 (M12) |
| | DIVERTOR OF TOT (WITZ) |
| Approvals | |
| JL 50E | yes |
| Installation Cable | |
| Cable identification | 796 |
| acket Color | green |
| ype 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 |
| iller | yes |
| vire arrangement | white, yellow, blue, orange |
| raversing distance (C-track) | 5 m @ 25 °C |
| Cable weigth | 69,3 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 89 Shore A |
| reedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket) | 6,7 mm |
| olerance 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 |
| 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 |
| oop resistance | 5000 MΩ × km |
| Iominal 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 |
| C withstand voltage (wire - wire) | 2 kV @ 60 s |
| Electrical capacity line constant (wire - wire) | 50000 pF/km |
| Power frequency withstand voltage (wire - acket) | 2 kV @ 60 s |
| C withstand voltage (wire - shield) | 2 kV @ 60 s |

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: 2024-05-03



| 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 |
| Travel speed (C-track) | 3 Mio. @ 25 °C |
| No. of torsion cycles | 1 Mio. 25 °C |
| Torsion stress | ± 180 °/m |