

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

PUR 1x4xAWG22 shielded gn UL/CSA 0.7m

Ethernet CAT5

Plastic housings with good resistance against chemicals and oils.

Flange female straight - male straight

M12 - RJ45, 4-pole

D-coded

Halogen-free-Material

shielded

8-pole partly used

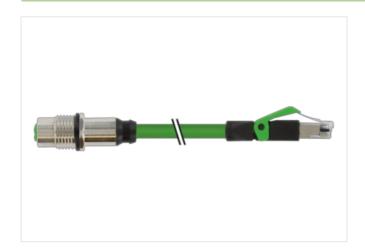
Rear mounting

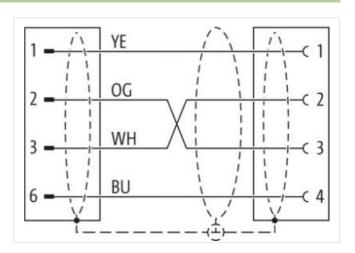
Transmission properties with channel transmission up to 100 m

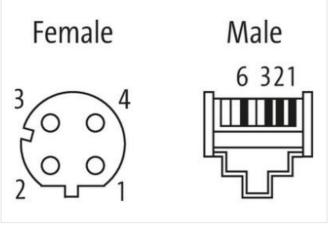
Further cable lengths on request.

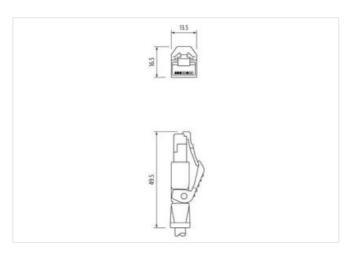
Link to Product

Illustration









Product may differ from Image











stay connected

| Cable length | 0,7 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 | 27061801 |
| 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 | 4048879514262 |
| 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 |
| 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 | |
| | |



stay connected

| perating temperature min. | -25 °C |
|--|--|
| perating temperature max. | 85 °C |
| dditional condition temperature range | depending on cable quality |
| mportant installation notes | |
| ote 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 |
| ote on bending radius | endangered by excessive bending forces. |
| Conformity | |
| roduct standard | DIN EN 61076-2-101 (M12) |
| Approvals | |
| L 50E | yes |
| nstallation Cable | |
| able identification | 794 |
| acket Color | green |
| ype of Certificate | cURus |
| mount stranding | 1 |
| tranding | 4 wires around Filler twisted |
| able shielding (type) | copper braid, tinned |
| able shielding (coverage) | 85 % |
| anding | Fleece, Foil |
| iller | yes |
| ire arrangement | white, yellow, blue, orange |
| able weigth | 75,87 g/m |
| aterial jacket | PUR |
| hore hardness jacket | 89 Shore A |
| reedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| uter-diameter (jacket) | 6,7 mm |
| olerance outer diameter (sheath) | ±5% |
| aterial inner jacket | FRNC |
| olor (inner jacket) | white |
| aterial wire insulation | PE |
| mount wires | 4 |
| uter diameter insulation | 1,55 mm |
| uter diameter tolerance core insulation | ±5% |
| hore hardness wire insulation | 65 Shore D |
| gredient freeness wire insulation | lead-free, CFC-free, halogen-free |
| mount strands (wire) | 7 |
| ameter of single wires | 22 AWG |
| onductor crosssection (wire) | 22 AWG |
| aterial conductor wire | Stranded copper wire, bare |
| ominal voltage AC max. | 300 V |
| urrent load capacity (standard) | to DIN VDE 0298-4 |
| urrent load capacity min. wire | 4,8 A |
| haracteristic impedance | 100 Ω ± 15 % |
| lectrical resistance line constant wire | 55 Ω/km @ 20 °C |
| C withstand voltage (wire - wire) | 2 kV @ 60 s |
| lectrical capacity line constant (wire - wire) | 52000 pF/km |
| ower frequency withstand voltage (wire - cket) | 2 kV @ 60 s |
| C withstand voltage (wire - shield) | 2 kV @ 60 s |
| | |



| Operating temperature min. (dynamic) | -30 °C |
|--------------------------------------|--|
| Operating temperature max. (dynamic) | 70 °C |
| Flame resistance | UL 1581 § 1090 IEC 60332-2-2 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) | 6 x Outer diameter |
| Bending radius (dynamic) | 12 x Outer diameter |