

M12 male 0° / M12 male 0° shielded Ethernet

PUR 2x2xAWG22 shielded gn UL/CSA 8m

Ethernet CAT5e

Male straight – male 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.

Transmission properties with channel transmission up to 100 m

Illustration

Product may differ from Image

Approvals

* only for products with UL/CSA approved cable

cCSAus

More Info

EtherNet/IP



Form

Form 44511

Cables

No./diameter of wires 2 × 2 × AWG22/7 (0.355)

Wire isolation PE (wh, ye, bl, or)

Jacket Color green

Material (jacket) PUR (UL/CSA)

| | |
|----------------------------|--|
| Outer Ø | 6.7 mm ±5% |
| Bend radius (moving) | 12× outer Ø |
| Temperature range (fixed) | -40...+80 °C |
| Temperature range (mobile) | -30...+70 °C |
| Cable identification | 794 |
| Approval (cable) | UL (AWM-Style 20233/10578), CSA; CE |
| Cable weight [g/m] | 75,87 |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 55 Ω/km (20 °C) |
| Construction (core) | 7× 0.254 mm |
| Diameter (core) | 2× 2× AWG22/7 (0.355) |
| AWG | similar to AWG 22 |
| Material (wire isolation) | PE |
| Wire-Ø incl. isolation | 1.55 mm ±5% |
| Color/numbering of wires | wh, ye, bl, or |
| Shield | yes |
| | min. 85% |
| Material (jacket) | PUR |
| Outer-Ø (jacket) | 6.7 mm ±5% |
| Color (jacket) | green |
| chemical resistance | good resistance to oil, gasoline and chemicals |
| thermal resistance | flame retardant |
| Nominal voltage | 300 V |
| Temperature range (fixed) | -40...+80 °C |
| Temperature range (mobile) | -30...+70 °C |
| Bend radius (fixed) | 6× outer Ø |
| Bend radius (moving) | 12× outer Ø |

Technical Data

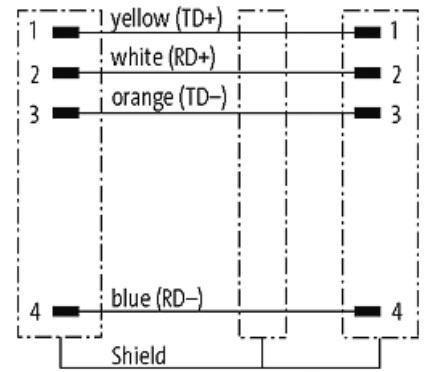
| | |
|---|--|
| Operating voltage | max. 60 V DC |
| Operating voltage (only UL listed) | max. 30 V DC |
| Rated surge voltage | 1.5 kV |
| Operating current per contact | max. 4 A |
| Material group | IEC 60664-1, category I |
| Transfer parameters | CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Transfer rate | up to 100 Mbit/s full duplex |
| Coding | D-coded |
| Locking of ports | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Compression gland | M12 (SW13) |
| Protection | IP65, IP66K, IP67 inserted and tightened (EN 60529) |
| Locking material | Zinc die casting, matte nickel plated |
| Material | PUR |
| suitable for corrugated tube (internal Ø) | without |

General data

| | |
|-------------------|--|
| Standards | DIN EN 61076-2-101 (M12) |
| Pollution Degree | 3 |
| Mounting method | inserted, tightened |
| Temperature range | -25...+85 °C, depending on cable quality |

Commercial data

| | |
|-----------------------|---------------|
| country of origin | DE |
| customs tariff number | 85444290 |
| EAN | 4048879606622 |
| eClass | 27061801 |
| Packaging unit | 1 |

Sketch

Male

Male



Product may differ from Image