

M12 male 0° / M12 male 0° X-cod. shielded

PUR 4x2xAWG26 shielded gn UL/CSA 6m

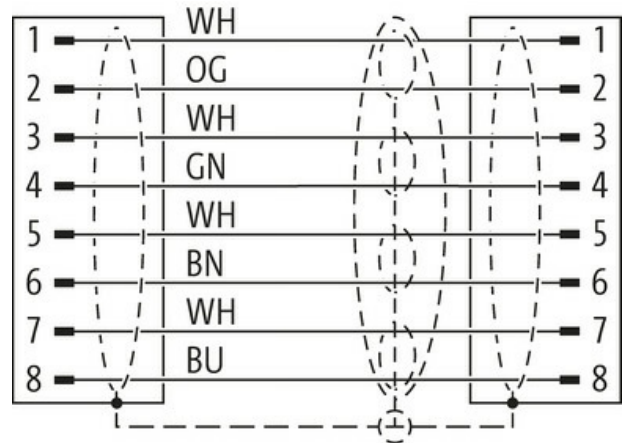
Ethernet CAT6A
 Male straight – male straight
 M12 – M12, 8-pole
 X-coded
 shielded

Transmission properties with channel transmission up to 50 m

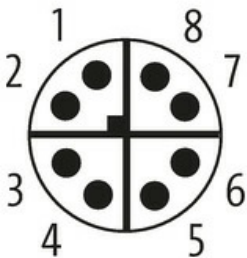
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

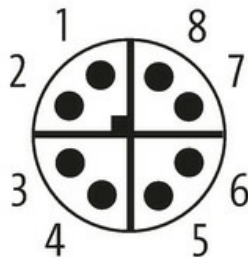
The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)**Illustration**

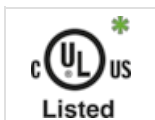
Male



Male



Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form 51001

Technical Data

Operating voltage max. 50 V AC/60 V DC

Operating voltage (only UL listed) 30 V AC/DC

| | |
|---|--|
| Rated surge voltage | 1.5 kV |
| Operating current per contact | max. 0.5 A |
| No. of poles | 8 |
| Transfer parameters | CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1) |
| Transfer rate | 10 Gbit/s |
| Material group | IEC 60664-1, category I |
| Coding | X-coded |
| LED display | no |
| Locking of ports | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Compression gland | M12 (SW13) |
| Protection | IP65 and IP67 when plugged and screwed down (EN 60529) |
| Material | PUR |
| Locking material | Zinc die casting, matte nickel plated |
| suitable for corrugated tube (internal Ø) | without |

General data

| | |
|----------------------------|--|
| Standards | DIN EN 61076-2-109 (M12) |
| Mounting method | inserted, tightened |
| Material (contact) | Copper alloy |
| Material (contact surface) | Au |
| Pollution Degree | 3 |
| Temperature range | -25...+85 °C, depending on cable quality |

Cables

| | |
|----------------------------|---|
| Cable identification | 790 |
| Approval (cable) | cURus (AWM-Style 20549/11635); CE conform |
| Cable weight [g/m] | 52,8 g |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 143 Ω/km (20 °C) |
| Single wire Ø (core) | 0.16 mm |
| Diameter (core) | 4× 2× AWG26/7 |
| Material (wire isolation) | PE |
| Wire-Ø incl. isolation | 1.05 mm ±5% |
| Color/numbering of wires | (WH, OR), (WH, BU), (WH, BN), (WH, GN) |
| Shield | yes |
| optical shield cover | approx. 65% |
| Material (jacket) | PUR |
| Outer-Ø (jacket) | 6.4 mm ±5% |
| Color (jacket) | green |
| chemical resistance | Oil resistance according to IEC 60811-2-1, ASTM IRM 901, ICEA S-82-552 Std. |
| Nominal voltage | 125 V AC |
| Test voltage | 1500 V (wire/wire); 1000 V (wire/shield) |
| Temperature range (fixed) | -40...+80 °C |
| Temperature range (mobile) | -30...+70 °C |
| Bend radius (fixed) | 8× outer Ø |
| Bend radius (moving) | 10× outer Ø |

Commercial data

| | |
|-----------------------|---------------|
| country of origin | DE |
| customs tariff number | 85444290 |
| EAN | 4048879846134 |
| eClass | 27061801 |
| Packaging unit | 1.000 |