

**M12 male 0° / male 90° shielded X-cod. Gigabit**

PUR 4x2xAWG26 shielded gn UL/CSA 1m

Ethernet CAT6A

Male straight – male 90°

M12 – M12, 8-pole

X-coded

shielded

Transmission properties with channel transmission up to 50 m

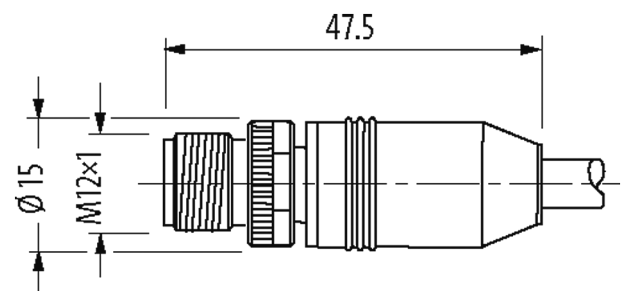
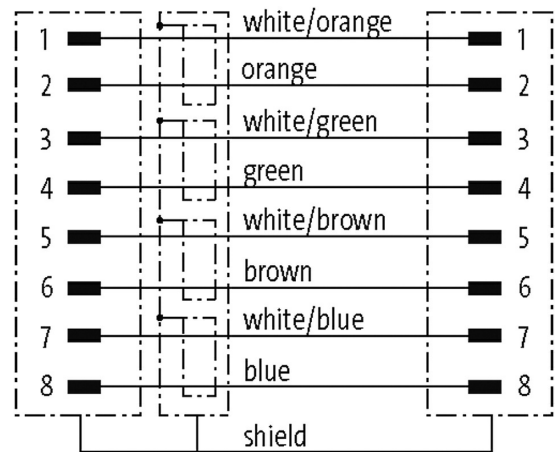
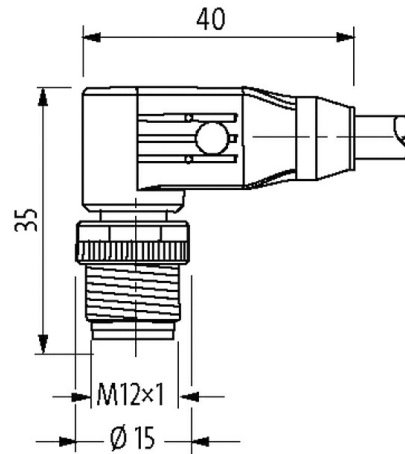
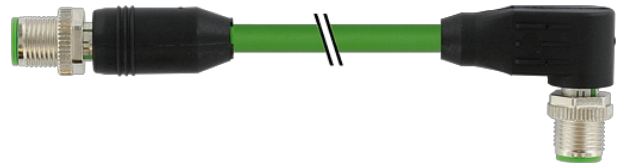
Further cable lengths on request.

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**



Product may differ from Image

**Approvals**



\* only for products with UL/CSA approved cable

**More Info**

EtherNet/IP


 EtherCAT


Form	
Form	51011
General data	
Standards	DIN EN 61076-2-109 (M12)
Pollution Degree	3
Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	Au
Temperature range	-25...+85 °C, depending on cable quality
Cables	
No./diameter of wires	4 × 2 × 0.14 mm <sup>2</sup>
Wire isolation	PE (whbl, bl, whor, or, whgn, gn, whbr, br)
Material (jacket)	PUR (UL/CSA)
Outer Ø	6.4 mm ±5%
Bend radius (moving)	10 × outer Ø
Temperature range (fixed)	-30...+80 °C
Temperature range (mobile)	-10...+50 °C
Cable identification	790
Approval (cable)	UL (AWM-Style 20236/1598), CSA; CE
Cable weight [g/m]	52,80
Material (wire)	Cu wire, bare
Resistor (core)	max. 143 Ω/km (20 °C)
Single wire Ø (core)	0.16 mm
Diameter (core)	4 × 2 × 0.14 mm <sup>2</sup>
Material (wire isolation)	PE
Wire-Ø incl. isolation	1.05 mm ±5%
Color/numbering of wires	wh/or+or, wh/bl+bl, wh/br+br, wh/gn+gn
Shield	yes
	min. 65%
Material (jacket)	PUR
Outer-Ø (jacket)	6.4 mm ±5%
Color (jacket)	green
thermal resistance	flame retardant
Nominal voltage	125 V AC
Test voltage	1500 V (wire/wire); 1000 V (wire/shield)
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-10...+50 °C
Bend radius (fixed)	8 × outer Ø
Bend radius (moving)	10 × outer Ø
Jacket Color	green
Technical Data	
Operating voltage	50 V AC/60 V DC
Operating voltage (only UL listed)	max. 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	IP67 inserted and tightened (EN 60529)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal Ø)	without

**Commercial data**

country of origin	DE
customs tariff number	85444290
EAN	4048879622813
eClass	27061801
Packaging unit	1