

**M12 male 0° X-cod. / RJ45 male 0° shielded**

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA. CMR 20m

Ethernet CAT6A

Plastic housings with good resistance against chemicals and oils.

Male straight – male straight

M12 – RJ45, 8-pole

X-coded

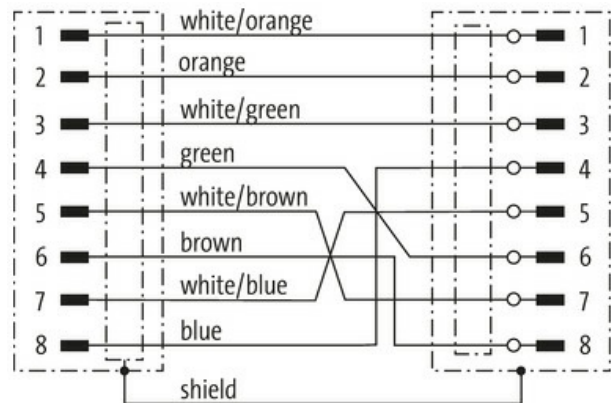
without cable sleeves

shielded

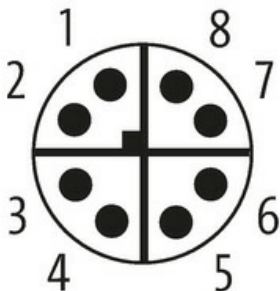
Protection cap

Transmission properties with channel transmission up to 50 m

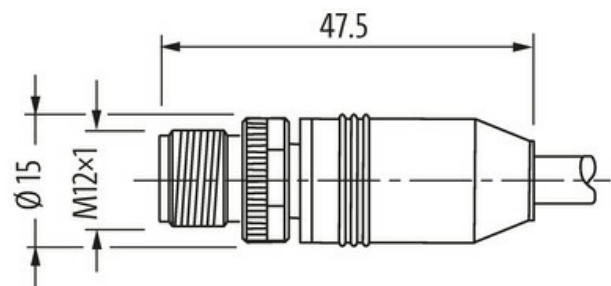
Further cable lengths on request.

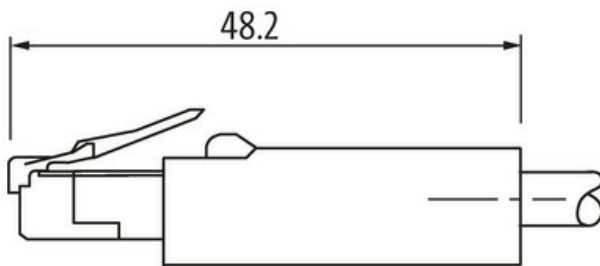
[Link to Product](#)**Illustration**

Male

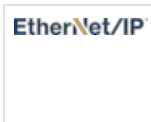
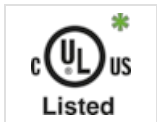


Male





Product may differ from Image



\* only for products with UL/CSA approved cable

**Form**

Form 51101

**Technical Data**

Operating voltage	max. 60 V DC
Rated surge voltage	1.0 kV
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

**General data**

Mounting method	inserted, tightened
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

**Cables**

No./diameter of wires	4 × 2 × 0.14 mm <sup>2</sup>
Wire isolation	HDPE (whbl, bl, whor, or, whgn, gn, whbr, br)
C-track properties	1 Mio.
Outer Ø	7.4 mm ±5%
Cable identification	S4X
Cable number	S4X
Approval (cable)	UL (AWM-Style 2463/11547), CSA
Cable weight [g/m]	65,48 g
Material (wire)	Cu wire, tin plated
Resistor (core)	max. 140 Ohm/km
Single wire Ø (core)	0.16 mm
Construction (core)	7 × 0.16 mm
Diameter (core)	4 × 2 × 0.14 mm <sup>2</sup>
Material (wire isolation)	HDPE
Wire-Ø incl. isolation	0.9 mm ±5%
Color/numbering of wires	(wh-bl, bl) + (wh-or, or) + (wh-gn, gn) + (wh-br, br)
Shield	yes
optical shield cover	min. 75%
Material (jacket)	TPE
Outer-Ø (jacket)	7.4 mm ±5%
Jacket Color	blue
thermal resistance	flame retardant
Nominal voltage	600 V
Test voltage	max. 1.5 kV AC (2s)

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 03/22

Temperature range (fixed)	-40...+80 °C
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Temperature range (mobile)	-20...+80 °C
Temperature range (mobile)	-20...+80 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Travel speed (C-track)	max. 1.2 m/s
Acceleration (C-track)	max. 2.4 m/s <sup>2</sup>
Torsion stress	3 Mio.
No. of torsion cycles	max. 3 Mio. (25 °C)
Torsion speed	60 cycles/min
Material (jacket)	TPE (UL/CSA)

#### Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879764810
eClass	27061801
Packaging unit	1.000