

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

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA. CMR 5m

Ethernet CAT6A

Plastic housings with good resistance against chemicals and oils.

Male straight – male straight

M12 – RJ45, 8-pole

X-coded

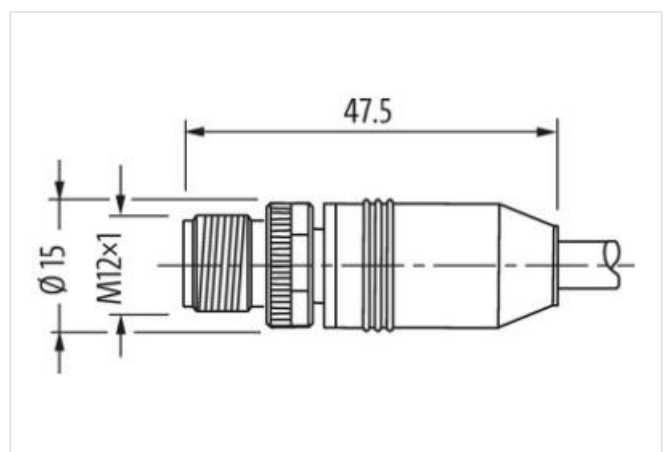
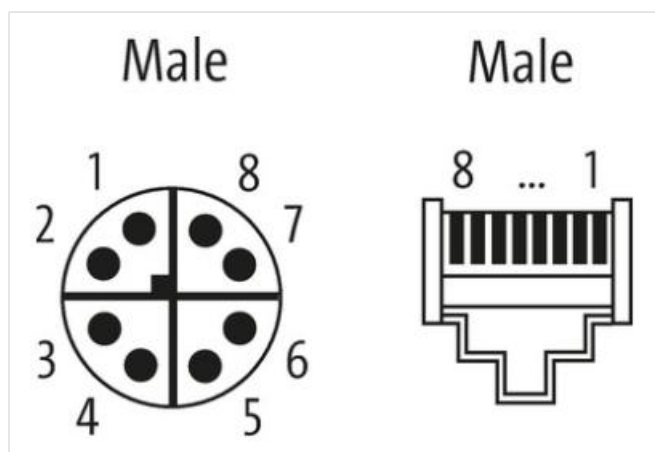
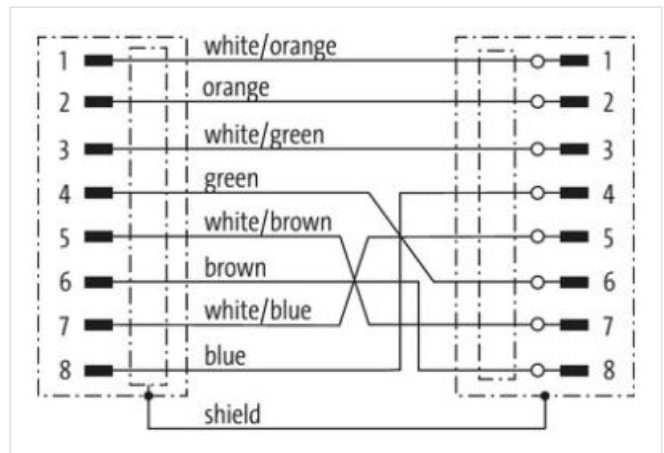
without cable sleeves

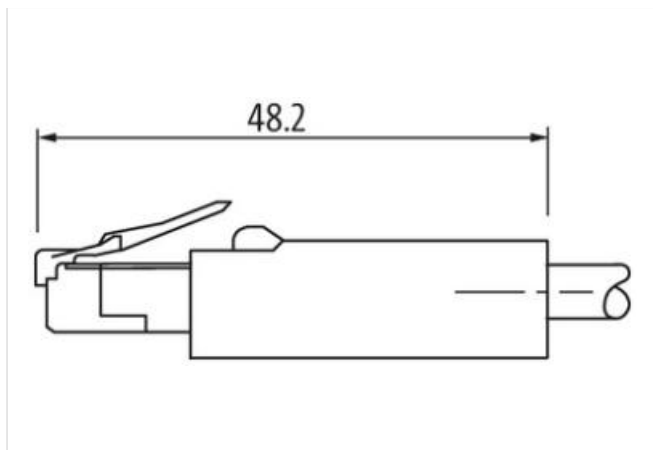
shielded

Protection cap

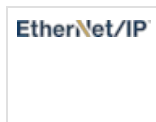
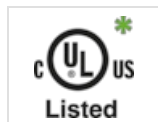
Transmission properties with channel transmission up to 50 m

Further cable lengths on request.

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



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**

Cable identification	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
Shield (Type)	Copper braid
optical shield cover	min. 75%
Material (jacket)	TPE
Outer-Ø (jacket)	7.4 mm ±5%
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: 2022-11-13

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Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-20...+80 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Travel speed (C-track)	max. 1.2 m/s
Acceleration (C-track)	max. 2.4 m/s <sup>2</sup>
No. of torsion cycles	max. 3 Mio. (25 °C)
Torsion speed	60 cycles/min
Product article number of manufacturer	7700-51101-S4X0500
Cable length	5 m