

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

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA. CMR 3m

USA

Transmission properties with channel transmission up to 50 m

Ethernet CAT6A

Flange female straight – male straight

RJ45 – M12, 8-pole

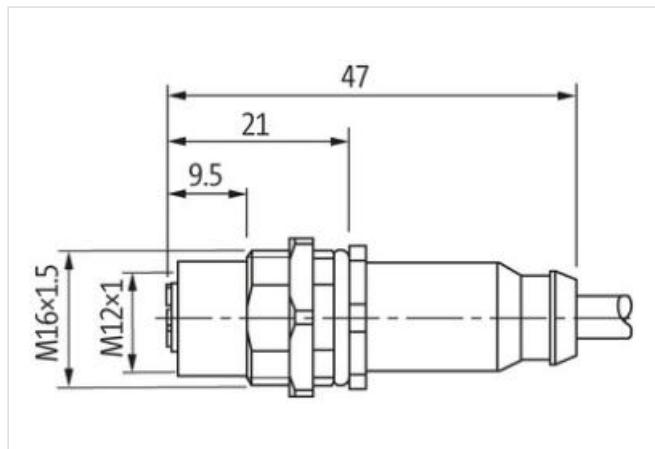
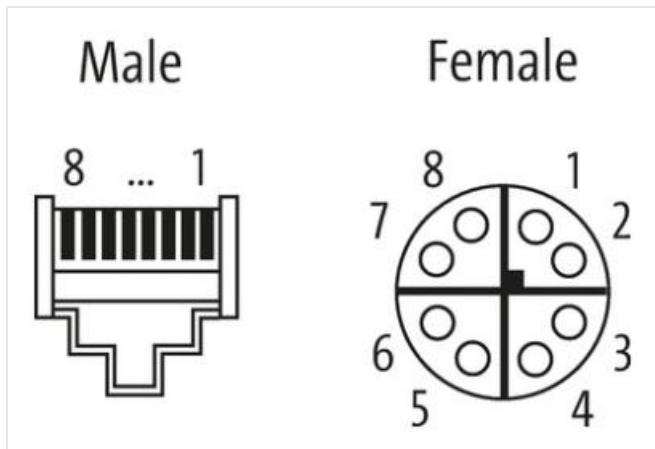
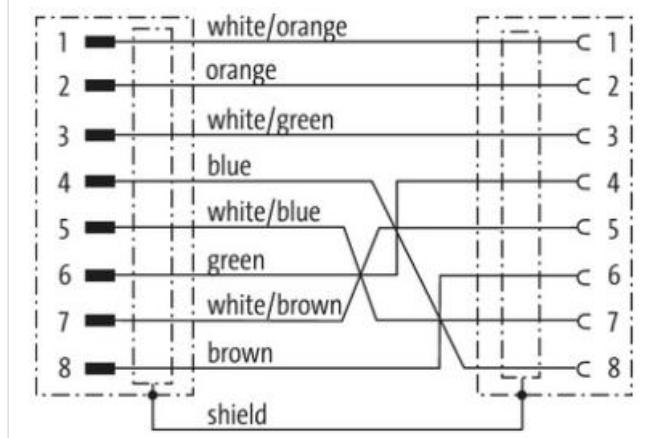
X-coded

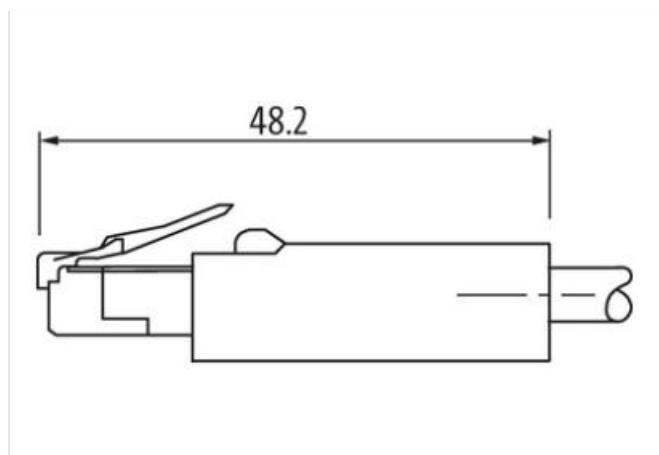
shielded

Rear mounting

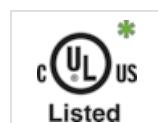
without cable sleeves

Protection cap

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



Product may differ from Image



\* only for products with UL/CSA approved cable

#### Form

Form 51551

#### Technical Data

Operating voltage	max. 60 V DC
Rated surge voltage	0.8 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	7700-51551-S4X0300
Cable length	3 m