

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

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA. CMR 10m

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

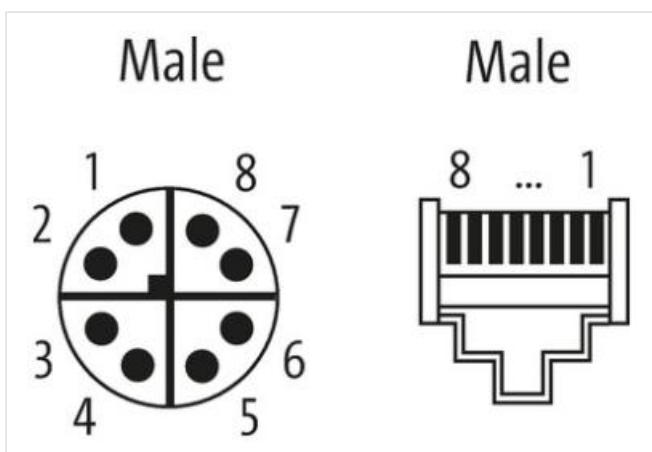
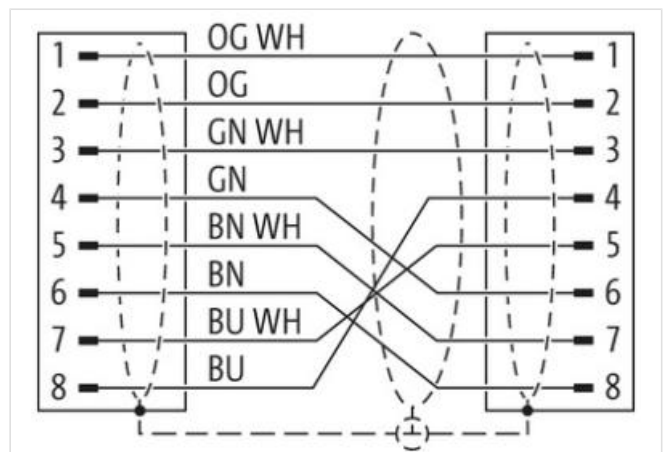
Protection cap

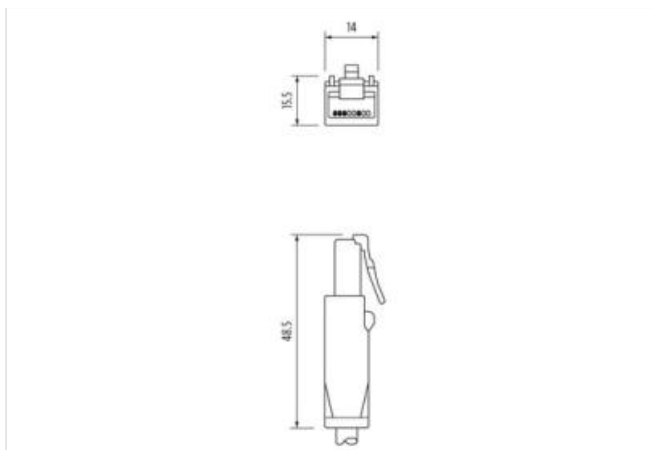
Transmission properties with channel transmission up to 50 m

Further cable lengths on request.

[Link til produkt](#)

Illustrasjon





Produktet kan avvike fra bildet



Cable length 10 m

Side 1

Mounting method inserted, screwed
 Family construction form M12
 No. of poles 8

Side 2

Mounting method inserted, screwed
 Family construction form RJ45
 No. of poles 8

Handelsinformasjon

ECLASS-6.0 27061801
 ECLASS-6.1 27060307
 ECLASS-7.0 27060307
 ECLASS-8.0 27060307
 ECLASS-9.0 27060307
 ECLASS-10.1 27060307
 ECLASS-11.1 27060307
 ECLASS-12.0 27060307
 ETIM-5.0 EC002599
 GTIN 4048879688215
 Pakkestørrelse 1
 Tolltariffnummer 85444290

Electrical data | Supply

Operating voltage DC max. 60 V

Industrial communication

Transfer parameters CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)
 Data transmission rate max. 10000 MBit/s

Device protection | Electrical

Pollution Degree 3
 Rated surge voltage 1 kV
 Material group (IEC 60664-1) I

Environmental characteristics | Climatic

Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality

Important installation notes

Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Installation | Cable

wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Cable identification	S4X
Jacket Color	blue
Type of Certificate	cURus
Amount stranding	4
Stranding	2 wires twisted
Stranding (type 2)	4 Stranded joints around Insulation element twisted
Banding	Foil
Filler	Insulation element
wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Cable weight	65,48 g/m
Material jacket	TPE
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	7,4 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	HDPE
Amount wires	8
Outer diameter insulation	0,9 mm
Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	7
Diameter of single wires	26 AWG
Conductor crosssection (wire)	26 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Characteristic impedance	100 Ω @ 100 MHz
Electrical resistance line constant wire	212 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Electrical capacity line constant (wire - wire)	49000 pF/km
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Loop resistance	424 Ω/km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Storage temperature min.	-40 °C
Storage temperature max.	80 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	7 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter

No. of bending cycles (C-track)	35 Mio. @ 25 °C
Traversing distance (C-track)	0,6 m @ 25 °C
Travel speed (C-track)	1,2 m/s @ 25 °C
No. of torsion cycles	3 Mio. 25 °C
Torsion stress	± 270 °/m @ 25 °C
Torsion speed	60 cycles/min 25 °C