

RJ45 Basic male 0° / RJ45 Basic male 0° shielded

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA, CMR 1m

Art.No.: 7700-74315-S4X0100

Weight: 0.105 kg

Country of origin: HU

Model designation: MSRAL0-RA-8p8c_S4X_1.0

USA

Ethernet CAT6A

Male straight – male straight

RJ45 – RJ45, 8-pole

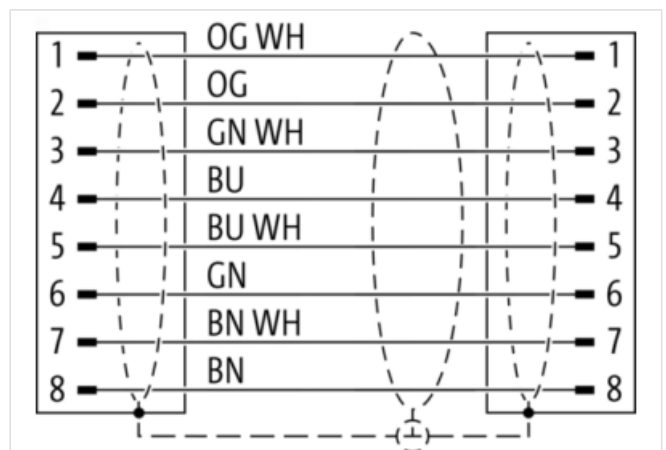
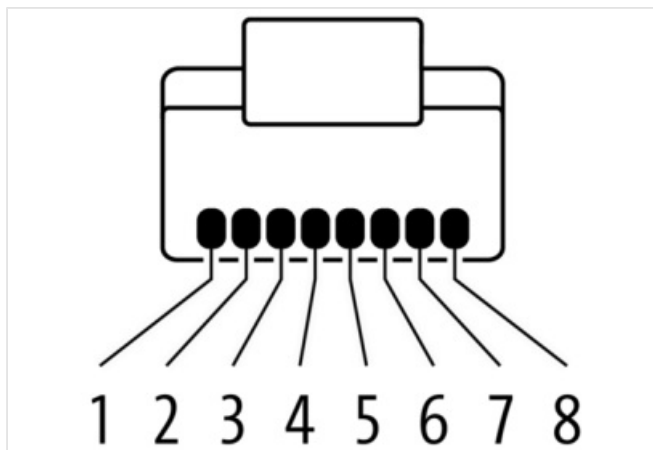
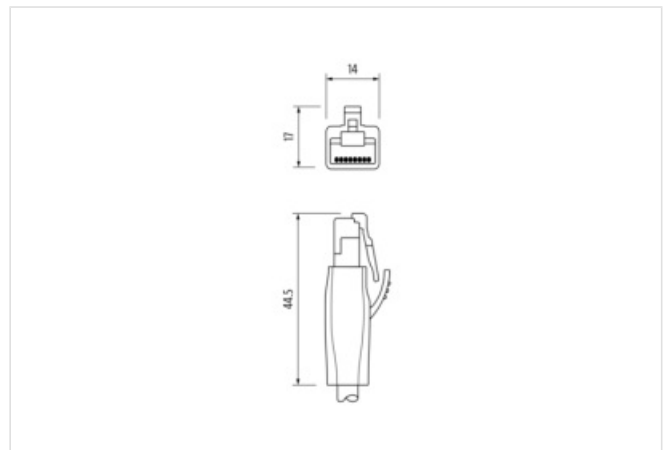
Shielded

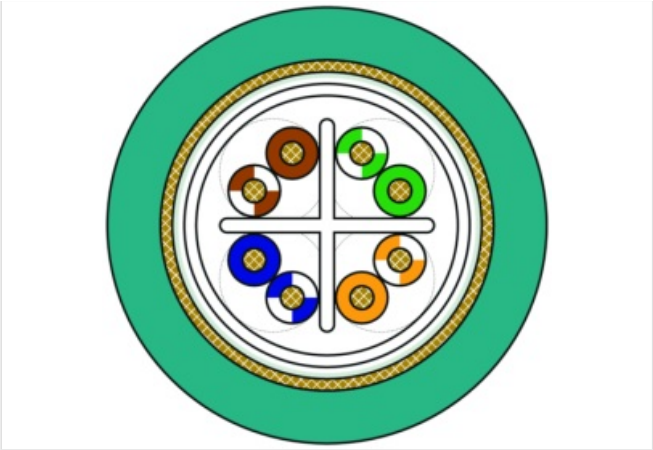
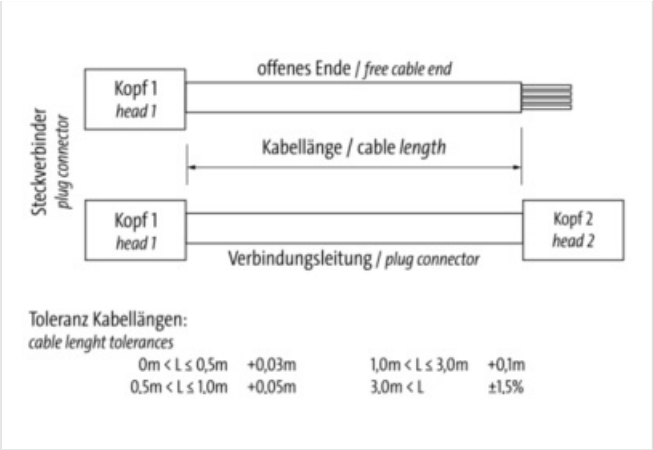
without cable sleeves

Plastic housings with good resistance against chemicals and oils.

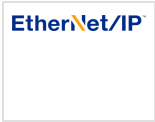
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

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



Product may differ from Image



Cable length	1,00 m
Side 1	
Family construction form	RJ45
No. of poles	8
Gender	male
Mounting method	inserted
Cable outlet	straight
Degree of protection (EN IEC 60529)	IP20
Side 2	
Family construction form	RJ45
No. of poles	8
Gender	male
Mounting method	inserted
Cable outlet	straight
Degree of protection (EN IEC 60529)	IP20
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7700-74315-S4X0100
GTIN	4048879721820
EU-Customs tariff number	85444210
US-Customs tariff number	8544422000
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-7.1	27060307
ECLASS-8.0	27060307
ECLASS-8.1	27060307
ECLASS-9.0	27060307
ECLASS-9.1	27060307
ECLASS-10.0.1	27060307
ECLASS-10.1	27060307
ECLASS-11.0	27060307
ECLASS-11.1	27060307

ECLASS-12.0	27060307
ECLASS-13.0	27060307
ECLASS-14.0	27060307
ETIM-5.0	EC002599
ETIM-6.0	EC002599
ETIM-7.0	EC002599
ETIM-8.0	EC002599
ETIM-9.0	EC002599
ETIM-10.0	EC002599
customs tariff number	85444210
EAN	4048879721820
Packaging unit	1

Electrical data | Supply

Operating voltage DC max.	60 V
Operating current max.	1,5 A

Industrial Communication

Data transmission rate max.	10 Gbit/s
Transfer parameters	CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)

Diagnostics

Status indication LED	No
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Installation | Pin assignment

Configuration	fully used
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP20
Additional condition protection degree	inserted
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I

Mechanical data

Contour for corrugated hose	without
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Mechanical data | Material data

housing	PUR
Locking material	PA

Mechanical data | Mounting data

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

Installation | Cable

Cable identification	S4X
Function cable	Data
Cable weight	59,53 g/m
UL AWM Style	2463 / 11547
Stranding	4 × 2 wires stranded
Stranding (type 2)	1 × 4 stranding combinations stranded around insulation element

Banding	Foil
Filler	Insulation element
Wire arrangement	(OGWH, OG), (BUWH, BU), (BNWH, BN), (GNWH, GN)
Cable type	Industrial Ethernet Profinet Typ C, CAT6A
Material wire insulation	HDPE
Amount wires	8
Outer diameter insulation	0.9 mm ± 0.05 mm
Conductor crosssection (wire)	26 AWG
Material conductor wire	copper stranded wire, tinned
Core construction (wire)	7 x 34 AWG
Ingredient freeness wire insulation	lead-free, CFC-free
Material jacket	TPE
Outer-diameter (jacket)	7.4 mm ± 5 %
Jacket Color	blue / RAL 5018
Freedom from ingredients (jacket)	lead-free, CFC-free
Conductor resistance (wire)	212 Ω/km @ 20 °C
Nominal voltage max.	600 V
Withstand voltage (wire - wire)	1.5 kV @ 2 s
Withstand voltage (wire - jacket)	1.5 kV @ 2 s
Current load capacity max. (wire)	2 A
Current load capacity (standard)	to DIN VDE 0298-4
Electrical capacity line constant (wire - wire)	84.848 pF/km
Characteristic impedance	100 Ω
Loop resistance	424 Ω/km
Cable length max.	66 m
Operating temperature (static)	-40 °C ... 80 °C
Operating temperature (dynamic)	-40 °C ... 80 °C
Operating temperature (drag chain)	-40 °C ... 80 °C
Flame resistance	UL 1581 § 1060, UL 1581 § 1061, UL 1581 § 1080, IEC 60332-1-2
Oil resistance	IEC 60811-404, IRM 902
UV resistance	UL 1581 § 1200
Notes	application-related testing
Bending radius (fixed)	4 × Outer diameter
Bending radius (dynamic)	18 × 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
Acceleration (C-track)	2.4 m/s² @ 25 °C
No. of torsion cycles	3 Mio. @ 25 °C
Torsion stress	± 270 °/m
Torsion speed	60 cycles/min @ 25 °C