

RJ45 male 0° / RJ45 male 0° shielded

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 10m

Art.No.: 7700-74301-S7V1000

Weight: 0.702 kg

Country of origin: US

Model designation: MSRAL0-RA-8p4cS7V_10.0

Ethernet CAT5

Male straight – male straight

RJ45 – RJ45, 4-pole

Shielded

without cable sleeves

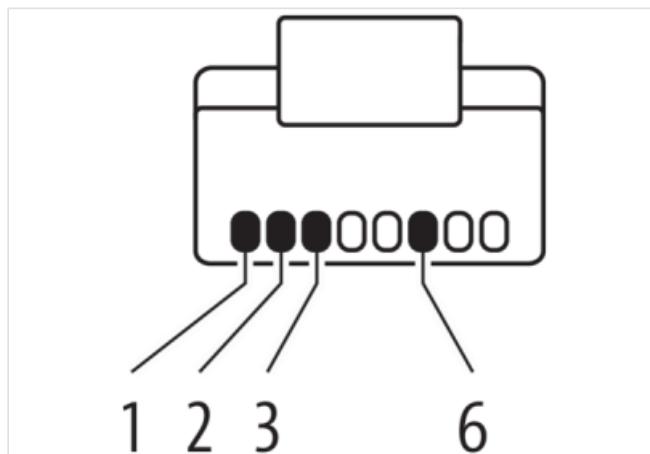
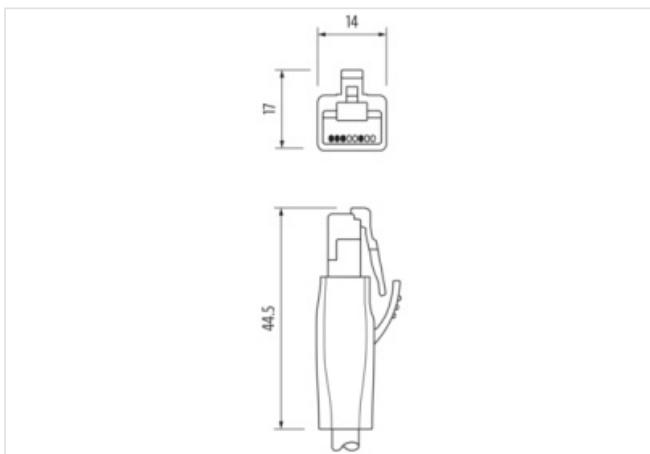
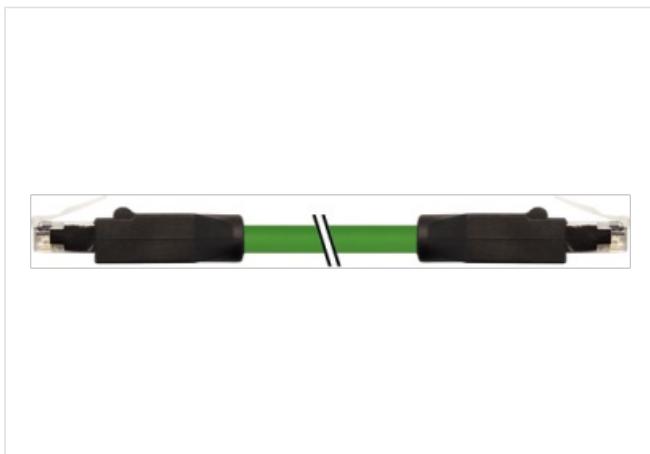
Protection cap

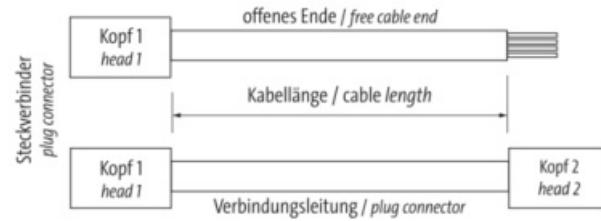
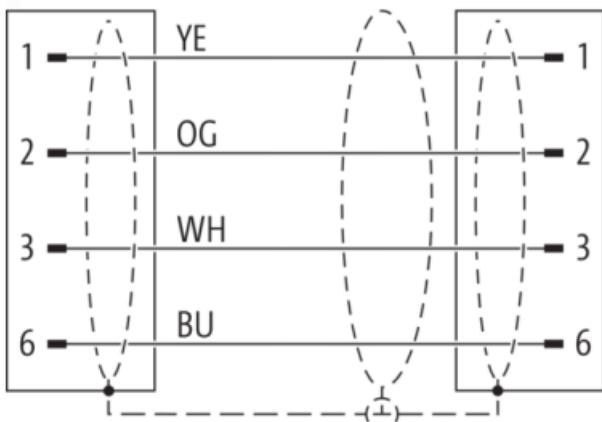
Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

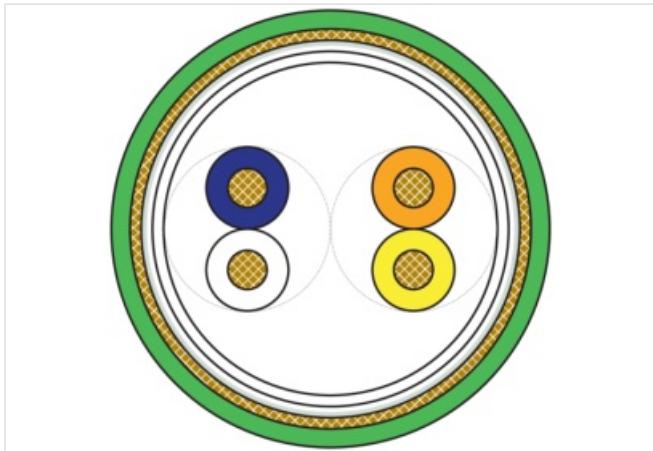
The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)
Illustration




Toleranz Kabellängen:
cable length tolerances

0m < L ≤ 0,5m	+0,03m	1,0m < L ≤ 3,0m	+0,1m
0,5m < L ≤ 1,0m	+0,05m	3,0m < L	±1,5%



Product may differ from Image



Header

Material short text MSRAL0-RA-8p4cS7V_10.0

Cable length 10,00 m

Side 1

Family construction form RJ45
No. of poles 4
Gender male
Mounting method inserted
Cable outlet straight

Side 2

Family construction form RJ45
No. of poles 4
Gender male
Mounting method inserted
Cable outlet straight

Commercial data

URL Webshop <https://shop.murrelektronik.com/7700-74301-S7V1000>
GTIN 4048879668804

ECCLASS-6.0	27061801
ECCLASS-6.1	27060307
ECCLASS-7.0	27060307
ECCLASS-7.1	27060307
ECCLASS-8.0	27060307
ECCLASS-8.1	27060307
ECCLASS-9.0	27060307
ECCLASS-9.1	27060307
ECCLASS-10.0.1	27060307
ECCLASS-10.1	27060307
ECCLASS-11.0	27060307
ECCLASS-11.1	27060307
ECCLASS-12.0	27060307
ECCLASS-13.0	27060307
ECCLASS-14.0	27060307
ETIM-5.0	EC002599
ETIM-6.0	EC002599
ETIM-7.0	EC002599
ETIM-8.0	EC002599
customs tariff number	85444210
EAN	4048879668804
Packaging unit	1

Electrical data | Supply

Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A

Industrial Communication

Data transmission rate max.	100 Mbit/s
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)

Industrial communication | Ethernet functionality

duplex	Full duplex
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Diagnostics

Status indication LED	No
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Installation | Connection

Family construction form	RJ45
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP20
Additional condition protection degree	inserted, screwed
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

Material housing	PUR
Locking material	PA

Mechanical data | Mounting data

Looking techniques	Snap-in connector
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Environmental characteristics | Climatic

Operating temperature min.	-30 °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	S7V
Function cable	Data
Stranding	2 x 2 wires stranded
Amount stranding (type 2)	1
Stranding (type 2)	1 x 2 stranding combinations stranded
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	75 %
Banding	Foil
Wire arrangement	(white, blue), (orange, yellow)
Cable weight	68 g/m
Material wire insulation	HDPE
Amount wires	4
Outer diameter insulation	1,47 mm
Outer diameter tolerance core insulation	± 0,05 mm
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	19
Diameter of single wires	34 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	copper stranded wire, tinned
Outer-diameter (jacket)	7,87 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	TPE
Shore hardness jacket	80 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, CFC-free
Conductor resistance (wire)	93.8 Ω/km @ 20 °C
Nominal voltage max.	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	4,8 A
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C
Storage temperature min.	-40 °C
Storage temperature max.	80 °C
Oil resistance	UL 1277 (Oil Res II)
UV resistance	UL 444 § 7.22
Other resistances	resistant to welding sparks
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	8 x Outer diameter
No. of bending cycles (C-track)	35 Mio. @ 25 °C
No. of torsion cycles	5 Mio.
Torsion stress	± 180 °/m