

**RJ45 male 0° / RJ45 male 0° shielded**

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 5m

Art.No.: 7700-74301-S7V0500

Weight: 0.371 kg

Country of origin: US

Model designation: MSRAL0-RA-8p4cS7V\_5.0

Ethernet CAT5

Male straight – male straight

RJ45 – RJ45, 4-pole

Shielded

without cable sleeves

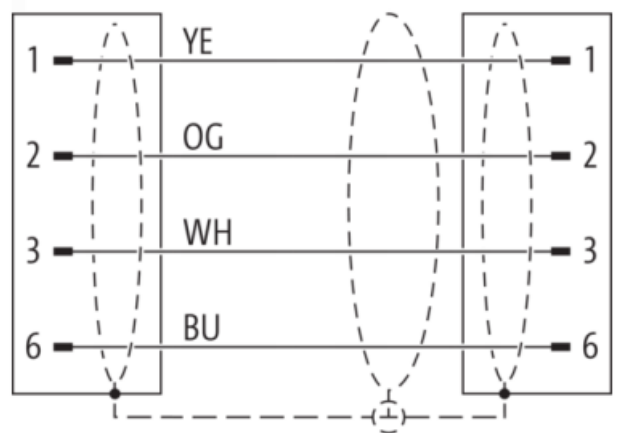
Protection cap

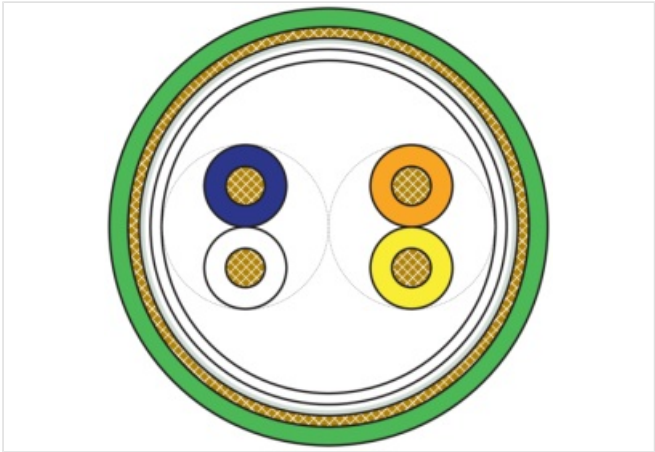
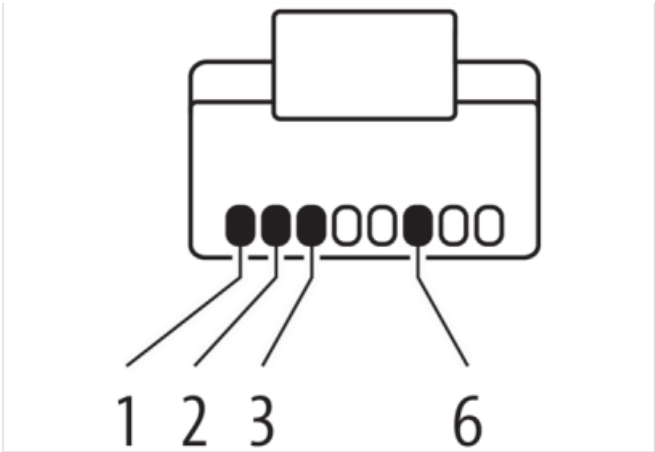
Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

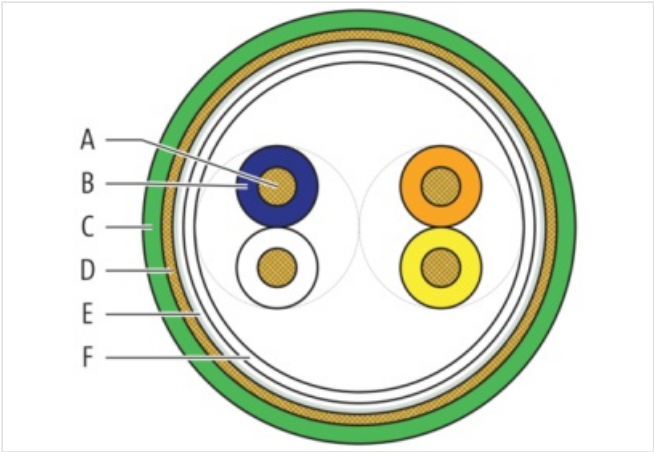
Plastic housings with good resistance against chemicals and oils.

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

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



Product may differ from Image



Header	
Material short text	MSRAL0-RA-8p4cS7V_5.0
Cable length	5,00 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	<a href="https://shop.murrelektronik.com/7700-74301-S7V0500">https://shop.murrelektronik.com/7700-74301-S7V0500</a>
GTIN	4048879668781

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
customs tariff number	85444210
EAN	4048879668781
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	<b>Attention:</b> 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
Amount stranding	2
Stranding	2 wires stranded
Amount stranding (type 2)	1
Stranding (type 2)	2 stranding combinations stranded
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	75 %
Banding	Foil
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	CFC-free, lead-free
Amount strands (wire)	19
Diameter of single wires	22 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)	CFC-free, lead-free
Conductor resistance (wire)	93.8 Ω/km @ 20 °C
Nominal voltage AC max.	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Min. operating temperature (static)	-40 °C
Max. operating temperature (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
Bending radius (dynamic)	8 × Outer diameter
No. of bending cycles (C-track)	35 Mio.
No. of torsion cycles	5 Mio.
Torsion stress	180 °C