

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

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 2m

Art.No.: 7700-74301-S7V0200

Weight: 0.158

Country of origin: HU

Model designation: MSRAL0-RA-8p4cS7V\_2.0

Ethernet CAT5

Male straight – male straight

RJ45 – RJ45, 4-pole

shielded

without cable sleeves

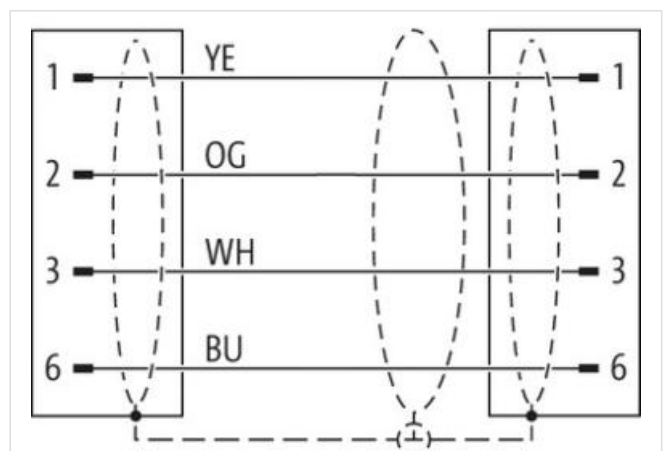
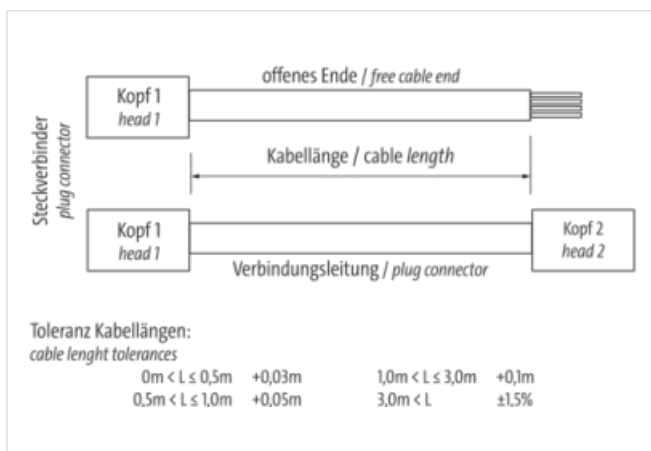
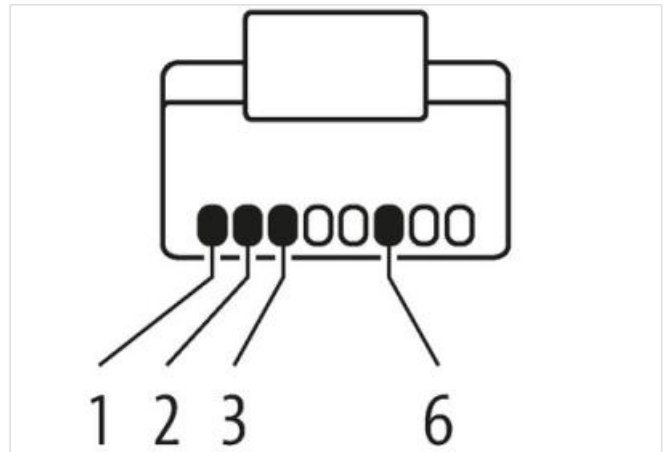
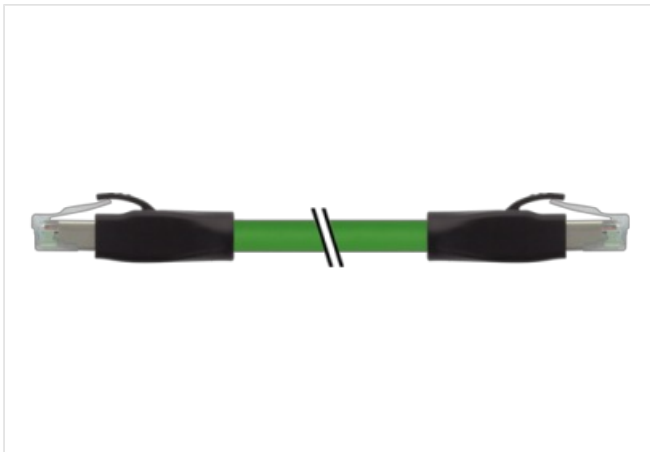
Protection cap

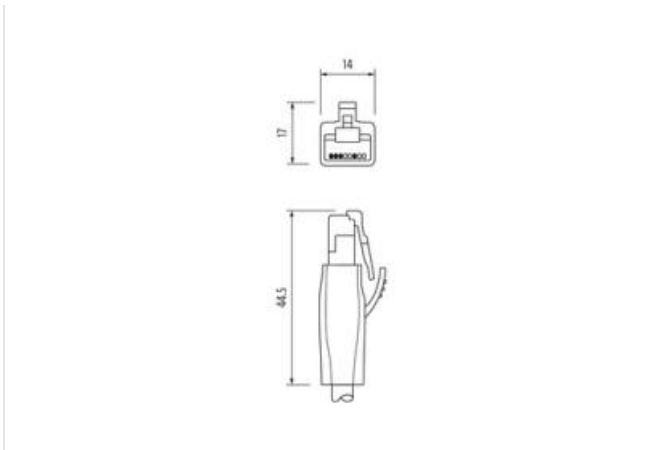
Transmission properties with channel transmission up to 100 m

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



Cable length 2 m

**Side 1**

Mounting method inserted  
 Family construction form RJ45  
 No. of poles 4

**Side 2**

Family construction form RJ45  
 No. of poles 4

**Commercial data**

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
customs tariff number	85444210
customs tariff number	85444210
customs tariff number	85444210
customs tariff number	85444210
EAN	4048879668750
EAN	4048879668750
EAN	4048879668750
EAN	4048879668750
Packaging unit	1
Packaging unit	1
Packaging unit	1
Packaging unit	1

**Electrical data | Supply**

Operating voltage DC max. 60 V

Current operating per contact max. 1,5 A

#### Industrial communication

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

#### Industrial communication | Ethernet functionality

duplex Full duplex

#### Diagnostics

Status indication LED no

#### 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

#### Mechanical data | Material data

Material housing PUR  
Locking material PA

#### Mechanical data | Mounting data

Looking techniques Snap-in connector

#### 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 (white, blue), (orange, yellow)  
Cable identification S7V  
Jacket Color green  
Type of Certificate cURus  
Amount stranding 2  
Stranding 2 wires twisted  
Amount stranding (type 2) 1  
Stranding (type 2) 2 Stranded joints twisted  
Cable shielding (type) copper braid, tinned  
Cable shielding (coverage) 75 %  
Banding Foil  
wire arrangement (white, blue), (orange, yellow)  
Cable weight 74,8 g/m  
Material jacket TPE  
Freedom from ingredients (jacket) lead-free, CFC-free  
Outer-diameter (jacket) 7,87 mm  
Tolerance outer diameter (sheath) ± 5 %  
Material wire insulation HDPE  
Amount wires 4  
Outer diameter insulation 1,47 mm  
Outer diameter tolerance core insulation ± 5 %

Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	19
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	45,1 $\Omega$ /km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	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	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic)	8 x Outer diameter
No. of bending cycles (C-track)	35 Mio.
No. of torsion cycles	5 Mio.
Torsion stress	$\pm$ 180 °/m