

## RJ45 male 0° / RJ45 male 0° shielded

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 1.5m

Art.No.: 7700-74301-S7V0150

Weight: 0.124 kg Country of origin: US

Model designation: MSRAL0-RA-8p4cS7V 1.5

**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

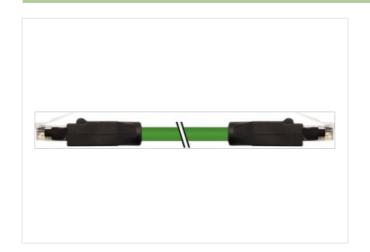
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

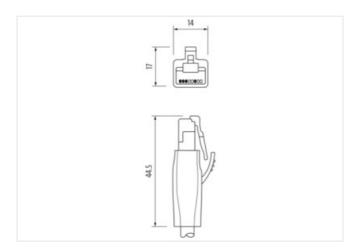
The resistance to aggressive media should be individually tested for your application. Further details on request.

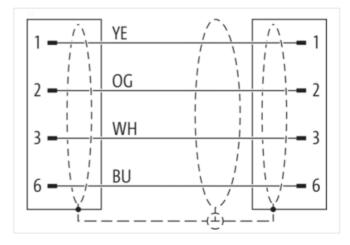
## **Link to Product**

## Illustration



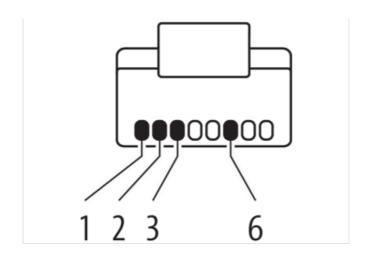


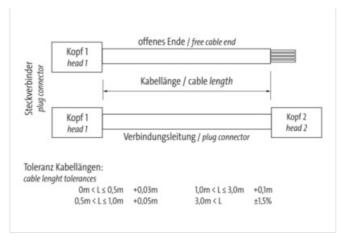


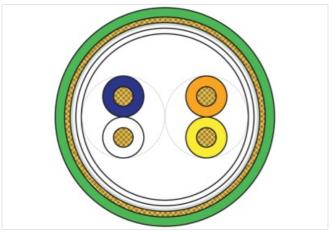


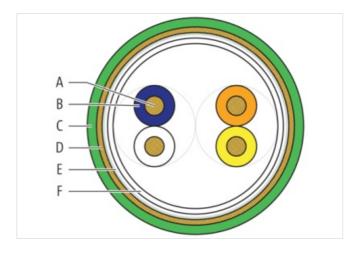


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Product may differ from Image











EtherNet/IP

Header	
Material short text	MSRAL0-RA-8p4cS7V_1.5
Cable length	1,50 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-S7V0150
GTIN	4048879668743



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ECLASS-6.0	07001001
ECLASS-6.0	27061801 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	4048879668743
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial Communication	.,
muustriai Communication	
E	100 18 19
Data transmission rate max.	100 Mbit/s
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
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Transfer parameters Industrial communication   Ethernet func	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Transfer parameters  Industrial communication   Ethernet function   Ethernet function	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Transfer parameters  Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  etionality  Full duplex
Transfer parameters  Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  etionality  Full duplex  No
Transfer parameters  Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  etionality  Full duplex
Transfer parameters  Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Stionality  Full duplex  No  RJ45
Transfer parameters  Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Etionality  Full duplex  No  RJ45
Transfer parameters  Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  ctionality  Full duplex  No  RJ45  IP20  inserted, screwed
Transfer parameters  Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree  Pollution Degree	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  ctionality  Full duplex  No  RJ45  IP20  inserted, screwed  3
Transfer parameters  Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree  Pollution Degree  Rated surge voltage	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  ctionality  Full duplex  No  RJ45  IP20  inserted, screwed  3 1 kV
Transfer parameters  Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  ctionality  Full duplex  No  RJ45  IP20  inserted, screwed  3
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Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  stionality  Full duplex  No  RJ45  IP20  inserted, screwed  3  1 kV  I
Industrial communication   Ethernet function   duplex  Diagnostics Status indication LED  Installation   Connection Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Material housing	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  stionality  Full duplex  No  RJ45  IP20  inserted, screwed  3  1 kV  I  without
Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Material housing  Locking material	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  stionality  Full duplex  No  RJ45  IP20  inserted, screwed  3  1 kV  I  without
Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Material housing  Locking material  Mechanical data   Mounting data	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  ctionality  Full duplex  No  RJ45  IP20 inserted, screwed  3 1 kV I  without  PUR PA
Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Material housing  Locking material  Mechanical data   Mounting data  Looking techniques  Environmental characteristics   Climatic	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Stionality  Full duplex  No  RJ45  IP20  inserted, screwed  3  1 kV  I  without  PUR  PA  Snap-in connector
Industrial communication   Ethernet function   duplex  Diagnostics  Status indication LED  Installation   Connection  Family construction form  Device protection   Electrical  Degree of protection (EN IEC 60529)  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Material housing  Locking material  Mechanical data   Mounting data  Looking techniques	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  ctionality  Full duplex  No  RJ45  IP20 inserted, screwed  3 1 kV I  without  PUR PA



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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 weigth	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.