

RJ45 male 0° / RJ45 male 0°, Gigabit

TPE 4x2x24AWG SF/UTP CAT5e bu UL/CSA, CM 20m

Art.No.: 7700-74718-S4W2000

Weight: 1.400 kg

Country of origin: HU

Model designation: MSRAL0-RA-8p8cS4W_20.0

Ethernet CAT5e

Male straight – male straight

RJ45 – RJ45, 8-pole

without cable sleeves

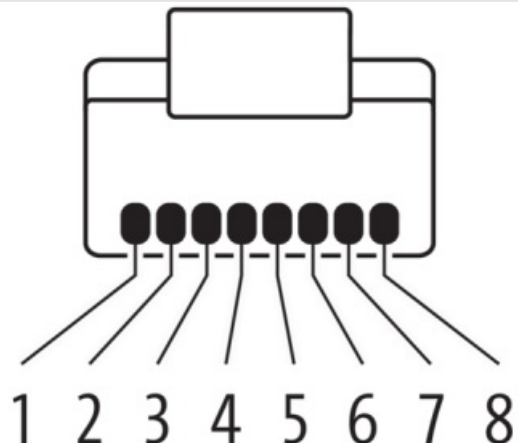
Shielded

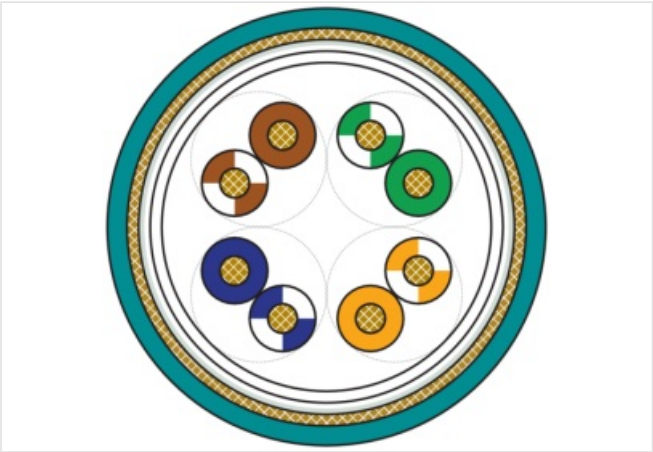
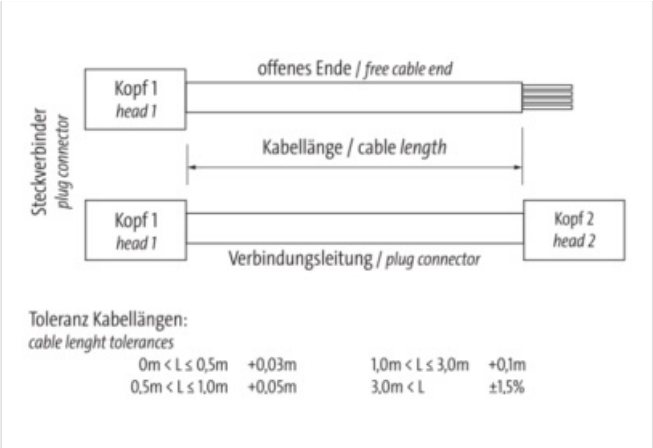
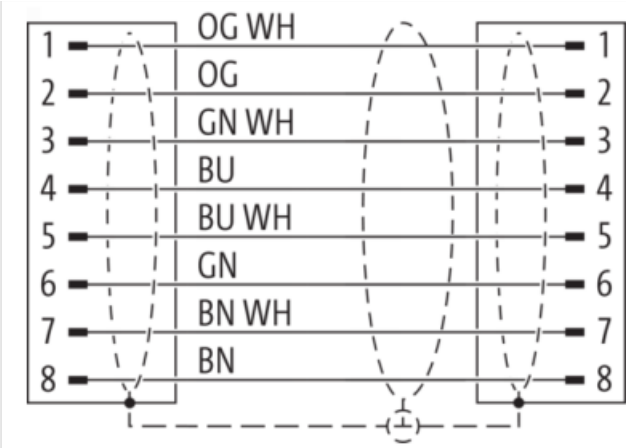
Protection cap

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-8p8cS4W_20.0
Cable length	20,00 m
Side 1	
Family construction form	RJ45
No. of poles	8
Gender	male
Mounting method	inserted, screwed
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, screwed
Cable outlet	straight
Degree of protection (EN IEC 60529)	IP20
Commercial data	

URL Webshop <https://shop.murrelektronik.com/7700-74718-S4W2000>

GTIN	4048879782371
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	4048879782371
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.	1 Gbit/s
Transfer parameters	CAT5, Class D (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, 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
Color housing	black
Locking material	PA

Mechanical data | Mounting data

Mounting method	inserted, screwed
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 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	S4W
Function cable	Data
Stranding	4 × 2 wires stranded
Amount stranding (type 2)	1
Stranding (type 2)	1 × 4 stranding combinations stranded
Banding	Foil
Wire arrangement	(orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)
Cable weight	68 g/m
Material wire insulation	HDPE
Amount wires	8
Outer diameter insulation	1,17 mm
Outer diameter tolerance core insulation	± 0,05 mm
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	7
Diameter of single wires	32 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	copper stranded wire, tinned
Outer-diameter (jacket)	7,6 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)	76.4 Ω/km @ 20 °C
Nominal voltage max.	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	2 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
Bending radius (fixed)	4 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	1 Mio. @ 25 °C
No. of torsion cycles	3 Mio. @ 25 °C
Torsion stress	± 270 °/m