RJ45 male 0° / RJ45 male 0° shielded

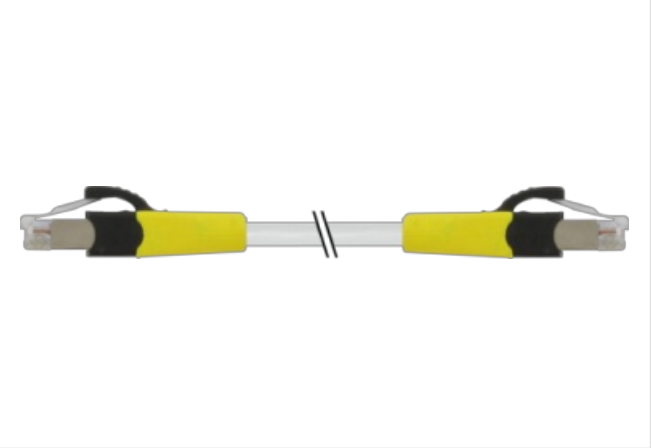
FRNC/LS0H 4x2xAWG27 shielded gr UL 1m

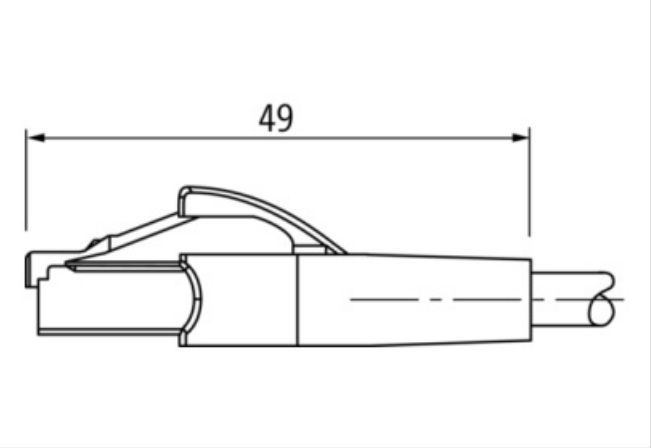
Art.No.: 7000-74711-7780100
Weight: 0.062 kg
Country of origin: HU
Model designation: MSRAL0-RA-8p8c778_1.0

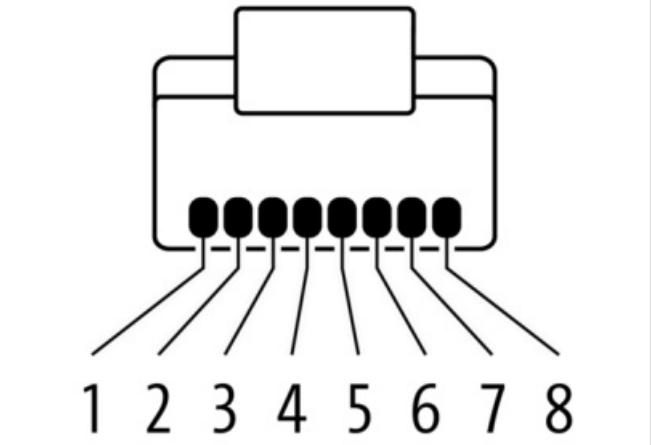
Ethernet CAT6A
Male straight – male straight
RJ45 – RJ45, 8-pole
Shielded
without cable sleeves
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

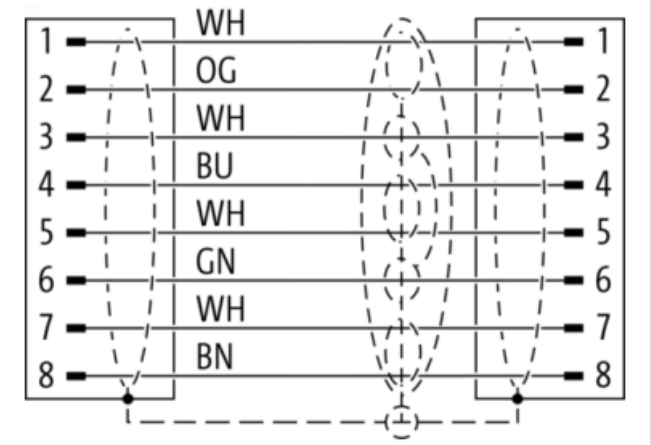
Link to Product

Illustration









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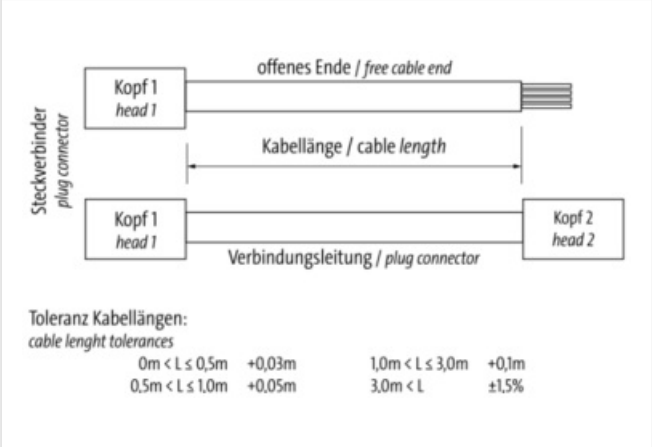

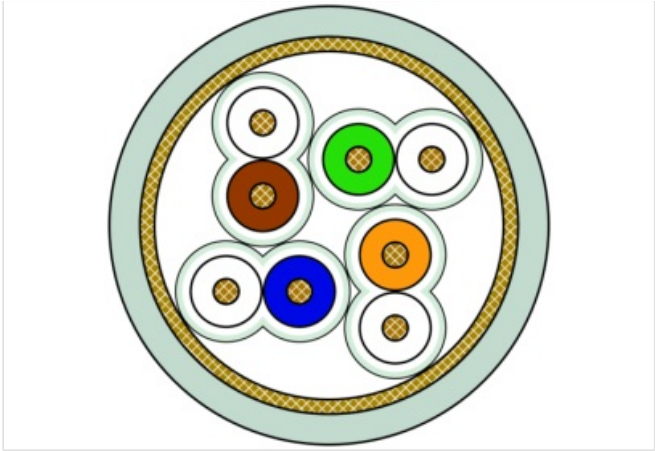

Product may differ from Image

Cable length	1,00 m
Side 1-1	
Family construction form	RJ45
No. of poles	8
Gender	male
Mounting method	inserted
Cable outlet	straight
Degree of protection (EN IEC 60529)	IP20
Side 2-2	
Family construction form	RJ45
No. of poles	8
Gender	male
Mounting method	inserted
Cable outlet	straight
Degree of protection (EN IEC 60529)	IP20
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-74711-7780100
GTIN	4048879570466
EU-Customs tariff number	85444210
US-Customs tariff number	8544422000
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

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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
ETIM-9.0	EC002599
ETIM-10.0	EC002599
customs tariff number	85444210
EAN	4048879570466
Packaging unit	1
Electrical data | Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1.5 A
Operating voltage DC max. (UL-listed)	25 V
Industrial Communication	
Data transmission rate max.	10 Gbit/s
Transfer parameters	CAT6A
Diagnostics	
Status indication LED	No
Device protection | Electrical	
Degree of protection (EN IEC 60529)	IP20
Additional condition protection degree	inserted
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	
housing	PUR
Locking material	PA
Mechanical data | Mounting data	
Locking 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-1	
Cable identification	778
Cable weigth	43 g/m
Stranding	4 × 2 wires stranded
Stranding (type 2)	1 × 4 stranding combinations stranded
Cable shielding (type)	copper braiding, bare
Pair shielding (type)	Metal foil
Banding	Foil
Wire arrangement	(WH, BN), (WH, BU), (WH, OG), (WH, GN)

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Shield	shielded
Cable type	Industrial Ethernet CAT7
Material wire insulation	cell polyethylene
Amount wires	8
Outer diameter insulation	1 mm ± 0.05 mm
Conductor crosssection (wire)	27 AWG
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	7 x 35 AWG
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Material jacket	FRNC
Outer-diameter (jacket)	6 mm ± 5 %
Jacket Color	gray / RAL 7040
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Cable shielding (type)	copper braiding, bare
Pair shielding (type)	Metal foil
Nominal voltage max.	125 V
Withstand voltage (wire - wire)	2.5 kV @ 2 s
Withstand voltage (wire - jacket)	2.5 kV @ 2 s
Withstand voltage (wire - shield)	2.5 kV @ 2 s
Current load capacity max. (wire)	1.3 A
Current load capacity (standard)	to DIN VDE 0298-4
Electric capacitance	44000 pF/km
Isolation resistance	5 GΩ × km
Characteristic impedance	100 Ω ± 5 % @ 100 MHz
Operating temperature (static)	-20 °C … 60 °C
Operating temperature (dynamic)	-20 °C … 60 °C
Flame resistance	IEC 60332-1-2, IEC 60332-2-2, IEC 60332-3-24, UL 2556 § 9.4 (VW-1)
Chemical resistance	IEC 60754-2
Other resistances	smoke-tight (IEC 61034-1, IEC 61034-2)
Notes	application-related testing
Bending radius (dynamic)	4 × Outer diameter

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