

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

FRNC/LS0H 4x2xAWG27 shielded gr UL 3m

Art.No.: 7000-74711-7780300

Weight: 0.155 kg

Country of origin: HU

Model designation: MSRAL0-RA-8p8c778\_3.0

Ethernet CAT6A

Male straight – male straight

RJ45 – RJ45, 8-pole

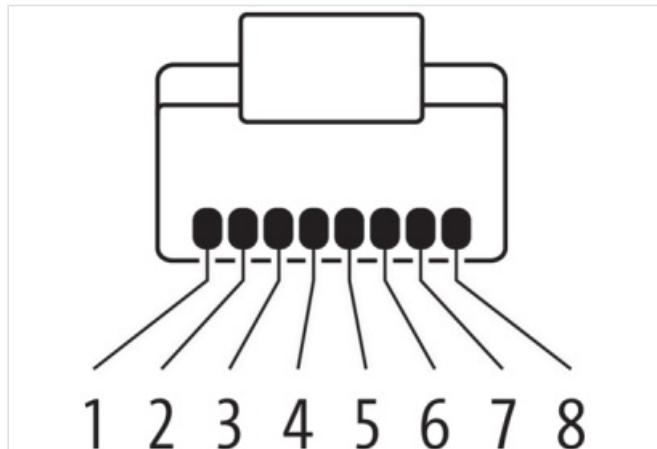
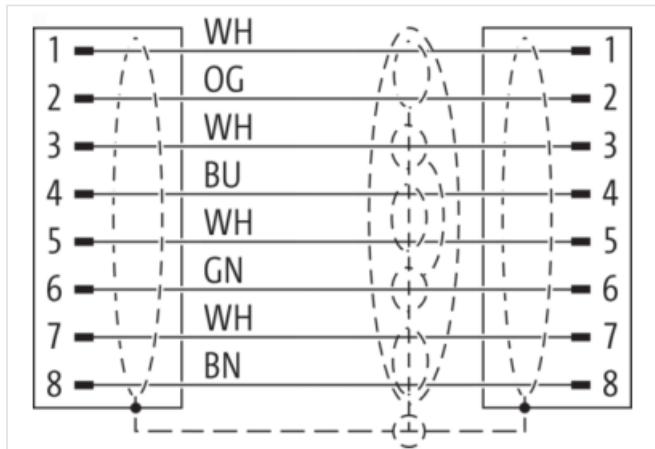
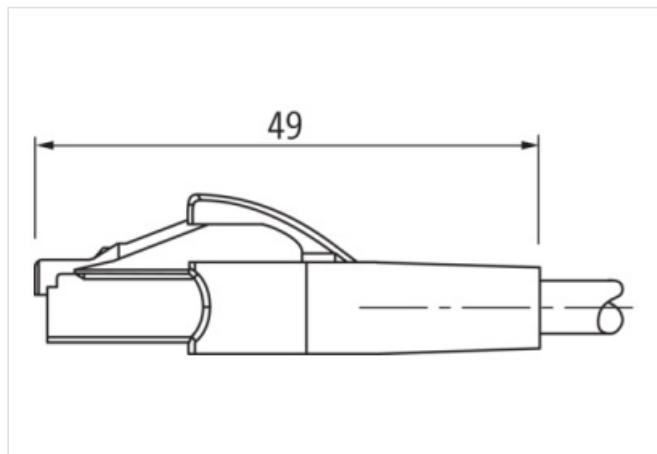
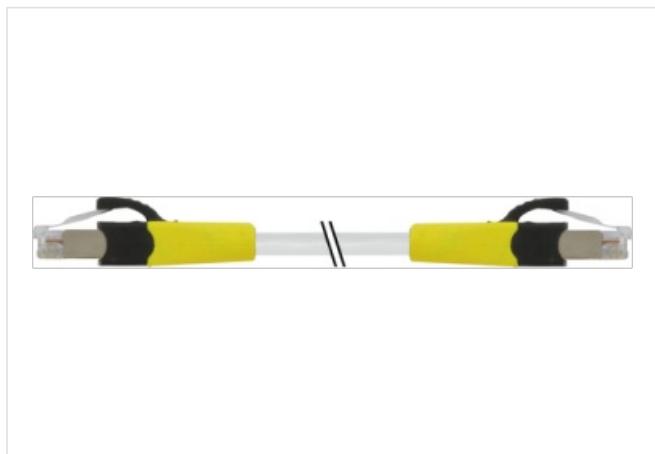
Shielded

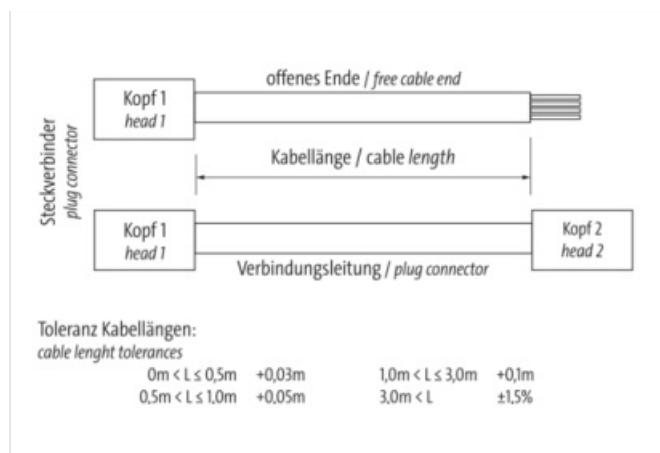
without cable sleeves

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**




Product may differ from Image



EtherNet/IP

#### Header

Material short text MSRAL0-RA-8p8c778\_3.0

Cable length 3,00 m

#### Side 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

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/7000-74711-7780300>  
 GTIN 4048879570299  
 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

ECCLASS-13.0	27060307
ECCLASS-14.0	27060307
ETIM-5.0	EC002599
ETIM-6.0	EC002599
ETIM-7.0	EC002599
ETIM-8.0	EC002599
customs tariff number	85444210
EAN	4048879570299
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
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 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	778
Amount stranding	4
Stranding	Wires
Amount stranding (type 2)	1
Stranding (type 2)	Stranded joints
Cable shielding (type)	copper braiding, bare
Cable weight	43 g/m
Material wire insulation	FRNC
Amount wires	8
Amount strands (wire)	7
Diameter of single wires	27 AWG
Conductor crosssection (wire)	27 AWG

Material conductor wire	Stranded copper wire, bare
Outer-diameter (jacket)	6 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	FRNC
Operating temperature min. (static)	-20 °C
Operating temperature max. (static)	60 °C
Operating temperature min. (dynamic)	0 °C
Operating temperature max. (dynamic)	50 °C
Bending radius (dynamic)	5 × Outer diameter