![MURR ELEKTRONIK - stay connected]

RJ45 male 0° / RJ45 male 0° shielded

FRNC/LS0H 4x2xAWG27 shielded gr UL 12,5m

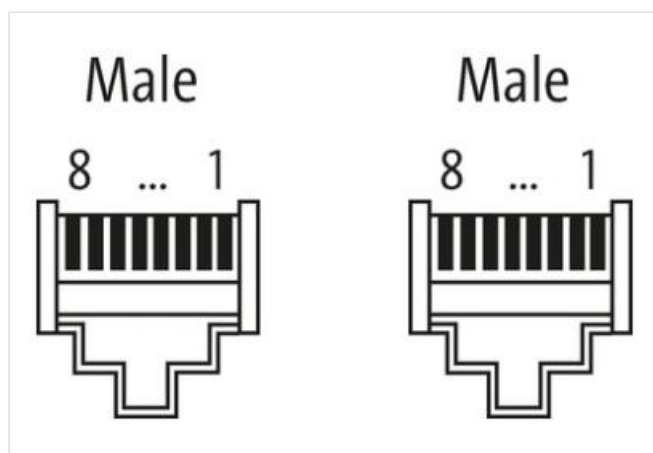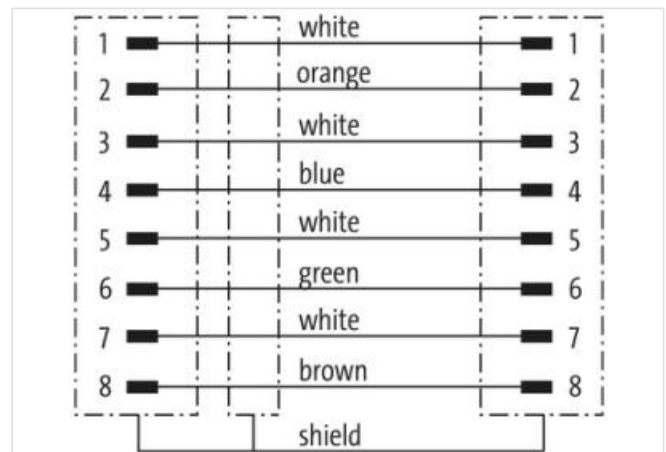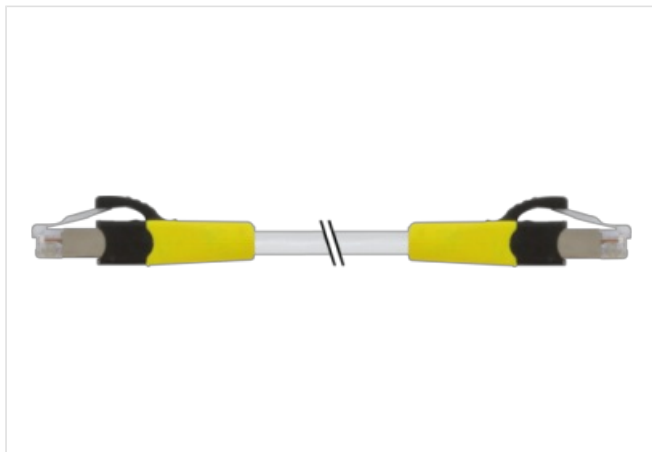Ethernet CAT6A
Male straight – male straight
RJ45 – RJ45, 8-pole
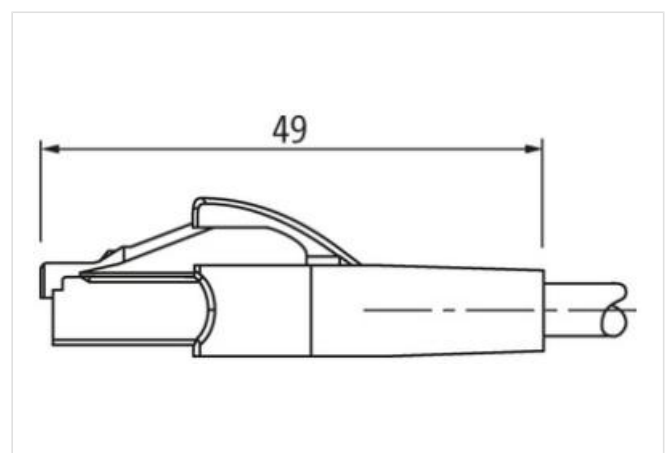shielded
with cable sleeves
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration

white	1
orange	2
white	3
blue	4
white	5
green	6
white	7
brown	8
shield	

Product may differ from Image

Cable length	12,5 m

Side 1

Mounting method	inserted

Side 2	
Mounting method	inserted

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
GTIN	4048879595889
Packaging unit	1

**Electrical data	Supply**	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	25 V
Current operating per contact max.	1,5 A

Industrial communication	
Transfer parameters	CAT6A

**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 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**	
Cable identification	778
Jacket Color	gray
Amount stranding	4
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	4 Stranded joints twisted
Cable shielding (type)	copper braiding, bare

wire arrangement	white, blue, white, orange, white, green, white, brown
Material jacket	FRNC
Outer-diameter (jacket)	6 mm
Tolerance outer diameter (sheath)	± 5 %
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
Min. operating temperature (static)	-20 °C
Max. operating temperature (fixed)	60 °C
Operating temperature min. (dynamic)	0 °C
Operating temperature max. (dynamic)	50 °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)	5 x Outer diameter