

RJ45 male 0° / RJ45 male 90° right shielded

PUR 1x4xAWG22 shielded bk UL/CSA+drag ch. 1m

Art.No.: 7000-74387-8510100

Weight: 0.086 kg

Country of origin: DE

Model designation: MSRAL0-RC-8p4c851_1.0

Ethernet CAT5

Male straight – male 90° right

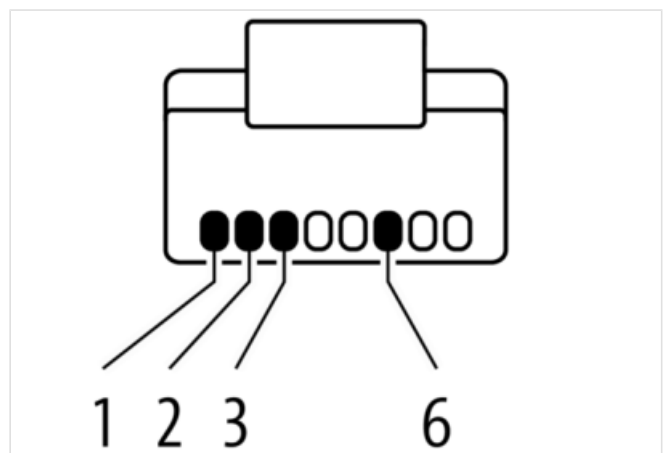
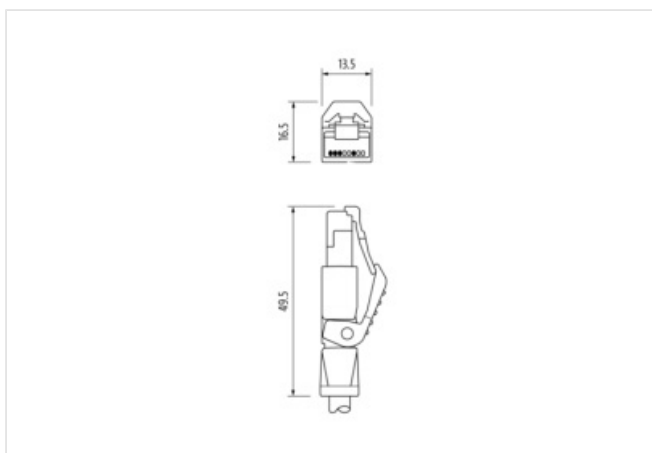
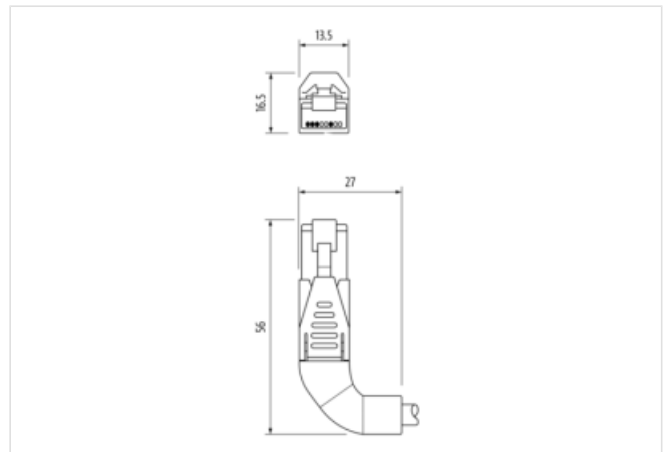
RJ45 – RJ45, 4-pole

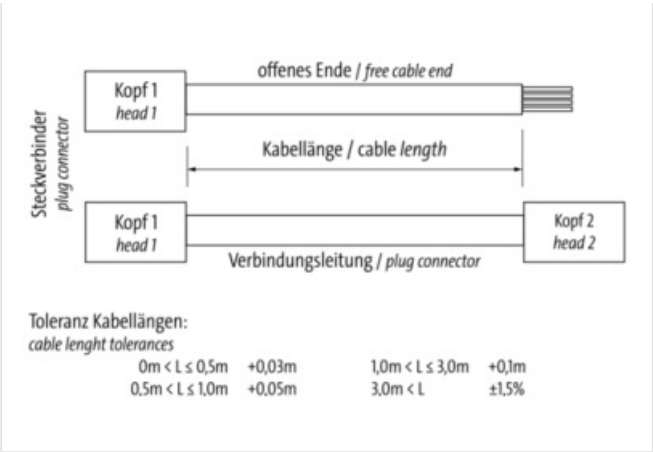
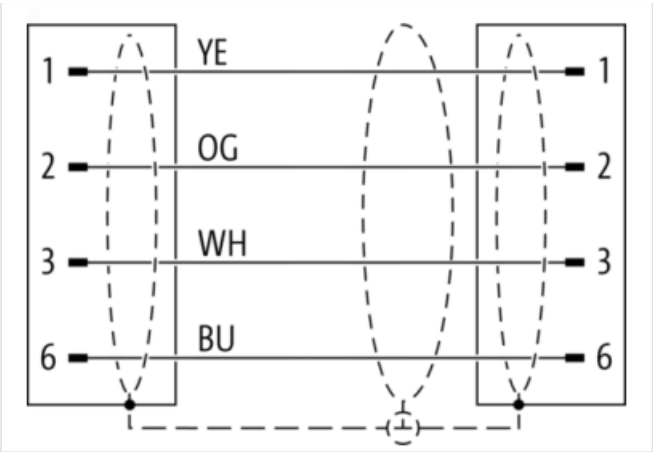
Shielded

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



Cable length	1,00 m
Side 1	
Family construction form	RJ45
No. of poles	4
Gender	male
Mounting method	pluggable
Cable outlet	straight
Material	PUR
Degree of protection (EN IEC 60529)	IP20
Side 2	
Family construction form	RJ45
No. of poles	4
Gender	male
Mounting method	pluggable
Cable outlet	angled
Material	PUR
Degree of protection (EN IEC 60529)	IP20

Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-74387-8510100
GTIN	4048879666091
EU-Customs tariff number	85444210
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	4048879666091
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.	100 Mbit/s
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Industrial communication Ethernet functionality	
duplex	Full duplex
Device protection Electrical	
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	
Locking material	PA
Environmental characteristics Climatic	
Operating temperature min.	-30 °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.

Conformity

Product standard EN IEC 60603-7 (RJ45)

Installation | Cable

Stranding	1 × 4 wires around core filler star-shaped twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Wire arrangement	WH, YE, BU, OG
Shield	shielded
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1.4 mm ± 0.05 mm
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	7
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Material jacket	PUR
Outer-diameter (jacket)	6.7 mm ± 5 %
Jacket Color	black / RAL 9005
Material inner jacket	FRNC
Color (inner jacket)	natural
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Conductor resistance (wire)	55.4 Ω/km @ 20 °C
Nominal voltage max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Withstand voltage (wire - shield)	2 kV @ 60 s
Current load capacity max. (wire)	4,8 A
Current load capacity (standard)	to DIN VDE 0298-4
Electrical capacity line constant (wire - wire)	50.000 pF/km
Isolation resistance	5.000 MΩ × km
Characteristic impedance	100 Ω ± 15 %
Cable type	Industrial Ethernet Profinet Typ C, CAT5e
Operating temperature (static)	-40 °C ... 80 °C
Operating temperature (dynamic)	-30 °C ... 70 °C
Operating temperature (drag chain)	-30 °C ... 70 °C
Flame resistance	IEC 60332-1-2, UL 1581 § 1090, UL 1581 § 1100
Oil resistance	IEC 60811-404, IRM 901, NEMA WC55
Ozone resistance	IEC 60811-403
UV resistance	UL 1581 § 1200
Other resistances	resistant to hydrolysis, resistant to microbes, MUD-resistant (NEK 606)
Notes	application-related testing
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	12 × Outer diameter
No. of bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3.3 m/s @ 25 °C
Acceleration (C-track)	2 m/s² @ 25 °C
No. of torsion cycles	1 Mio.

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-07-17

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Torsion stress	$\pm 180\text{ }^{\circ}/\text{m}$
Torsion speed	35 cycles/min