

RJ45 male 0° / RJ45 male 0° shielded

PUR 4x2xAWG26 shielded gn UL/CSA 3m

Art.No.: 7000-74311-7900300

Weight: 0.159 kg

Country of origin: HU

Model designation: MSRAL0-RA-8p8c790_3.0

Ethernet

Male straight – male straight

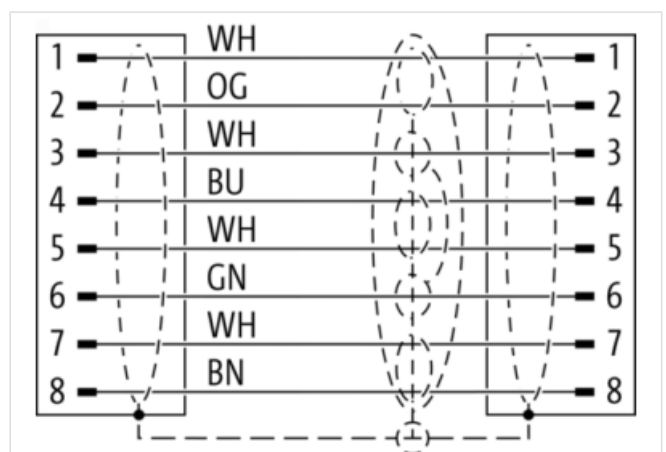
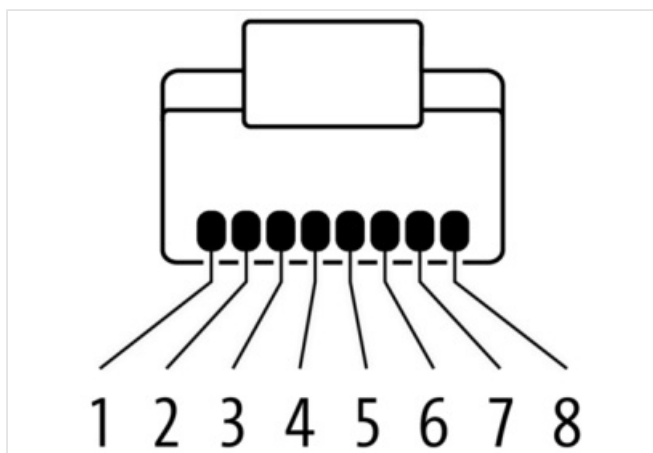
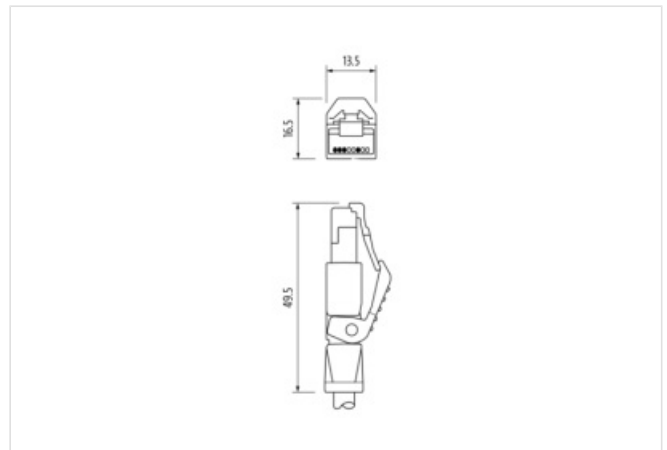
RJ45 – RJ45, 8-pole

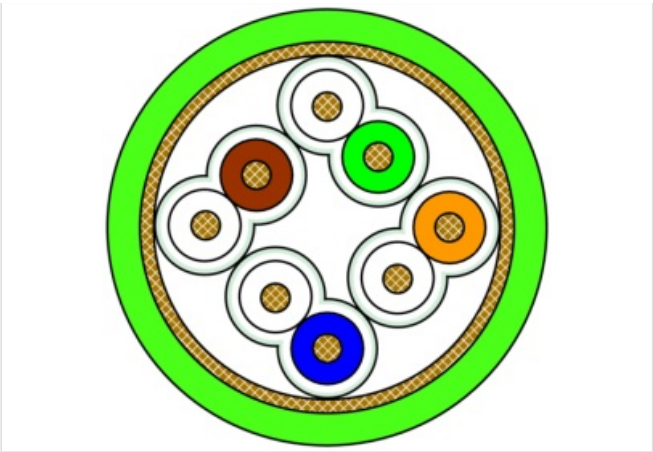
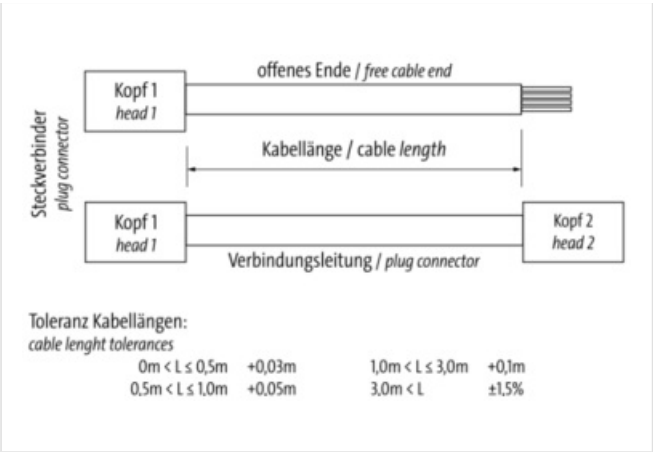
Shielded

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	3,00 m
Side 1	
Family construction form	RJ45
No. of poles	8
Gender	male
Mounting method	pluggable, inserted
Cable outlet	straight
Material	PUR
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
Material	PUR
Degree of protection (EN IEC 60529)	IP20
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7000-74311-7900300
GTIN	4048879620123
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
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	4048879620123
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.	10 Gbit/s
Transfer parameters	CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)

Diagnostics

Status indication LED	No
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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
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Mechanical data | Material data

housing	PUR
Locking material	PA

Mechanical data | Mounting data

Looking techniques	Snap-in connector
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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.

Conformity

Product standard	EN IEC 60603-7 (RJ45)
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Installation | Cable

Cable identification	790
Function cable	Data
Cable weight	48 g/m
UL AWM Style	20549 / 10532
Stranding	4 × 2 wires stranded
Stranding (type 2)	1 × 4 stranding combinations stranded

Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Pair shielding (type)	Metal foil
Banding	Foil
Wire arrangement	(WH, BN), (WH, GN), (WH, OG), (WH, BU)
Shield	shielded
Cable type	Industrial Ethernet Profinet Typ B, CAT6A
Material wire insulation	PE
Amount wires	8
Outer diameter insulation	1.05 mm - 0.02 mm
Conductor crosssection (wire)	26 AWG
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	7 x 34 AWG
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Material jacket	PUR
Outer-diameter (jacket)	6.4 mm ± 5 %
Jacket Color	green / RAL 6018
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Pair shielding (type)	Metal foil
Conductor resistance (wire)	140 Ω/km @ 20 °C
Nominal voltage max.	125 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)	2 A
Current load capacity (standard)	to DIN VDE 0298-4
Electrical capacity line constant (wire - wire)	44.000 pF/km
Isolation resistance	5.000 MΩ × km
Characteristic impedance	100 Ω ± 15 % @ 15 MHz
Operating temperature (static)	-40 °C ... 80 °C
Operating temperature (dynamic)	-30 °C ... 70 °C
Flame resistance	UL 1581 § 1090, UL 1581 § 1100, IEC 60332-1-2
Oil resistance	IEC 60811-404, IRM 902
Ozone resistance	EN 50396
Other resistances	resistant to microbes, MUD-resistant (NEK 606)
Notes	application-related testing
Bending radius (fixed)	8 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter