

RJ45 male 0° / RJ45 male 0° shielded

FRNC/LS0H 4x2xAWG27 shielded gr UL 1m

Art.No.: 7000-74711-7780100

Weight: 0.062

Country of origin: HU

Model designation: MSRAL0-RA-8p8c778_1.0

Ethernet CAT6A

Male straight – male straight

RJ45 – RJ45, 8-pole

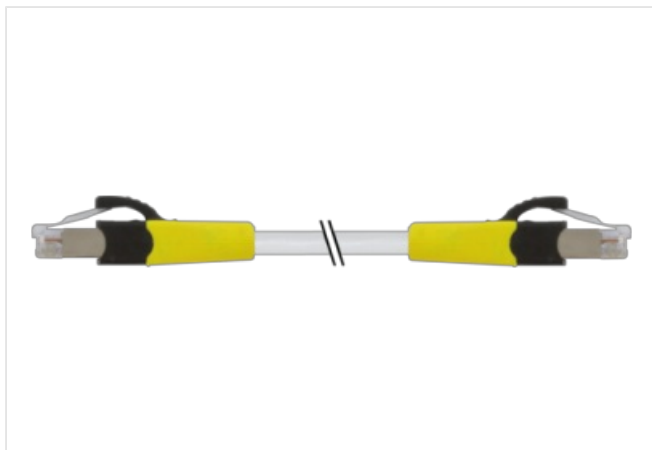
shielded

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**



Product may differ from Image



Cable length	1 m
Side 1	
Mounting method	inserted
Family construction form	RJ45
Gender	male
Cable outlet	straight
No. of poles	8
Degree of protection (EN IEC 60529)	IP20
Side 2	
Mounting method	inserted
Family construction form	RJ45
Gender	male
Cable outlet	straight
No. of poles	8
Degree of protection (EN IEC 60529)	IP20
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
customs tariff number	85444210
EAN	4048879570466
EAN	4048879570466
Packaging unit	1
Packaging unit	1
Electrical data Supply	

Operating voltage DC max.	60 V
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Operating voltage DC max. (UL-listed)	25 V
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Current operating per contact max.	1,5 A
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Industrial communication

Transfer parameters	CAT6A
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Data transmission rate max.	10 GBit/s
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Diagnostics

Status indication LED	no
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP20
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Pollution Degree	3
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Rated surge voltage	1 kV
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Material group (IEC 60664-1)	I
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Mechanical data

Contour for corrugated hose	without
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Mechanical data | Material data

Material housing	PUR
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Locking material	PA
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Mechanical data | Mounting data

Looking techniques	Snap-in connector
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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Important installation notes

Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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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.
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Installation | Cable

wire arrangement	white, blue, white, orange, white, green, white, brown
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Cable identification	778
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Jacket Color	gray
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Amount stranding	4
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Stranding	2 wires twisted
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Amount stranding (type 2)	1
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Stranding (type 2)	4 Stranded joints twisted
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Cable shielding (type)	copper braiding, bare
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wire arrangement	white, blue, white, orange, white, green, white, brown
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Material jacket	FRNC
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Outer-diameter (jacket)	6 mm
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Tolerance outer diameter (sheath)	± 5 %
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Material wire insulation	FRNC
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Amount wires	8
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Amount strands (wire)	7
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Diameter of single wires	27 AWG
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Conductor crosssection (wire)	27 AWG
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Material conductor wire	Stranded copper wire, bare
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Min. operating temperature (static)	-20 °C
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Max. operating temperature (fixed)	60 °C
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Operating temperature min. (dynamic)	0 °C
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Operating temperature max. (dynamic)	50 °C
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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