

RJ45 male 0° / RJ45 male 0° shielded

FRNC/LS0H 4x2xAWG27 shielded ye UL 0,5m

Art.No.: 7000-74711-3780050

Weight: 0.044 Country of origin: HU

Model designation: MSRAL0-RA-8p8c378_0.5

Ethernet CAT6A
Male straight – male straight
RJ45 – RJ45, 8-pole
shielded
without cable sleeves

Further cable lengths on request.

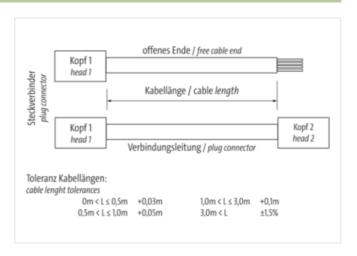
Plastic housings with good resistance against chemicals and oils.

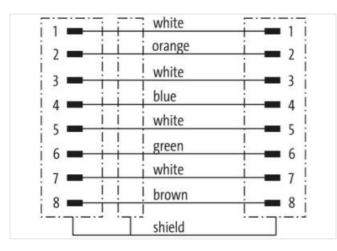
The resistance to aggressive media should be individually tested for your application. Further details on request.

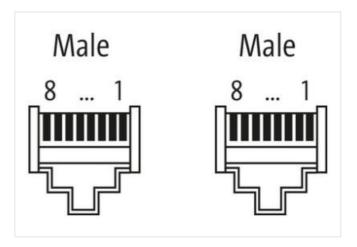
Link to Product

Illustration



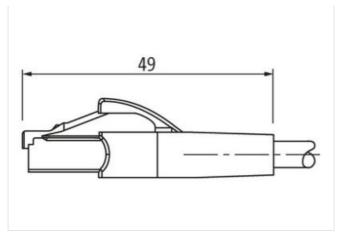








stay connected



Product may differ from Image











Cable length	0,5 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-6.1	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
customs tariff number	85444210
EAN	4048879813990
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	

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: 2025-06-05



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Device protection Electrical Pope or protection (EN IEC 60529) IP20 Pollution Despere or protection (EN IEC 60529) 1 kV Raded surp voltage (IEC 60564-1) 1 kV Mischanical group (IEC 60564-1) without Mischanical data Without Mechanical data Material flower PUR Locking material PA Mechanical data Mounting data PA Locking material Mechanical data Mounting data Shap-in connector Environmental characteristics Climatic Colonia (Including the Including American Condition Interportant max.) 85 °C Operating temperature mix. 85 °C Additional condition temperature max. 85 °C Note on train ratefiel Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees. Note on branding radius Affection: Observe the permissible bending radis when laying cables, as the IP protection class can be endangered by excessive bending radis when laying cables, as the IP protection class can be endangered by excessive bending radis when laying cables, as the IP protection class can be endangered by excessive bending radis when laying cables, as the IP protection class can be endangered by excessive bending radis when laying cables, as the IP protection class can be endangered by excessive bending radis when laying cables, as the IP protection class can be endanger	Data transmission rate max.	10 GBit/s
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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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Min. operating temperature (static) -20 °C Max. operating temperature min. (dynamic) 0 °C Operating temperature max. (dynamic) 50 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Amount stranding (type 2)	1
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Stranding (type 2)	4 Stranded joints twisted
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (min. wire 4,8 A Min. operating temperature (static) -20 °C Max. operating temperature min. (dynamic) 0 °C Operating temperature max. (dynamic) 50 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Cable shielding (type)	copper braiding, bare
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity inin. wire 4,8 A Min. operating temperature (static) -20 °C Max. operating temperature min. (dynamic) 0 °C Operating temperature max. (dynamic) 50 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	wire arrangement	white, blue, white, orange, white, green, white, brown
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Material jacket	FRNC
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Outer-diameter (jacket)	6 mm
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Tolerance outer diameter (sheath)	± 5 %
Amount strands (wire) Diameter of single wires 27 AWG Conductor crosssection (wire) 27 AWG Material conductor wire Stranded copper wire, bare Current load capacity (standard) Current load capacity min. wire 4,8 A Min. operating temperature (static) Ax. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing	Material wire insulation	FRNC
Diameter of single wires 27 AWG Conductor crosssection (wire) 27 AWG Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Amount wires	8
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Min. operating temperature (static) -20 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) O°C Operating temperature max. (dynamic) 50 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Amount strands (wire)	7
Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Diameter of single wires	27 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Conductor crosssection (wire)	27 AWG
Current load capacity min. wire 4,8 A 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Material conductor wire	Stranded copper wire, bare
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic	Current load capacity (standard)	to DIN VDE 0298-4
Max. operating temperature (fixed) 60 °C Operating temperature min. (dynamic) 0 °C Operating temperature max. (dynamic) 50 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Current load capacity min. wire	4,8 A
Operating temperature min. (dynamic) 0 °C Operating temperature max. (dynamic) 50 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Min. operating temperature (static)	-20 °C
Operating temperature max. (dynamic) 50 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Max. operating temperature (fixed)	
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Operating temperature min. (dynamic)	0 °C
chemical resistance Good, application-related testing	Operating temperature max. (dynamic)	50 °C
, II	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Gasoline resistance Good, application-related testing	chemical resistance	
	Gasoline resistance	Good, application-related testing



Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	x Outer diameter
Bending radius (dynamic)	5 x Outer diameter