

## RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA 35m

Art.No.: 7000-74301-7943500

Weight: 2.245 Country of origin: DE

Model designation: MSRAL0-RA-8P4C794 35.0

Ethernet CAT5
Male straight – male straight
RJ45 – RJ45, 4-pole
shielded

Further cable lengths on request.

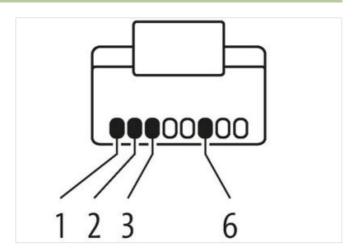
Plastic housings with good resistance against chemicals and oils.

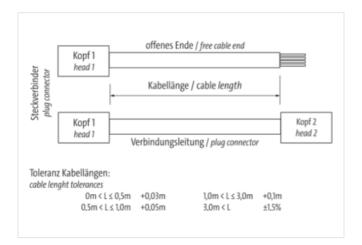
The resistance to aggressive media should be individually tested for your application. Further details on request.

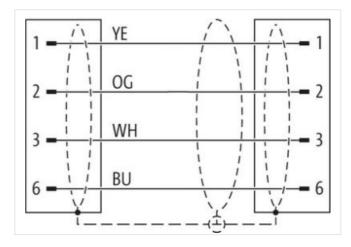
## **Link to Product**

## Illustration



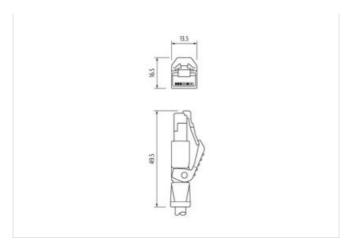








stay connected



Product may differ from Image















Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method         pluggable           Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial dat           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-8.1         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-13.4         40488794315	Cable length	35 m
Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method         pluggable           Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial dat           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         24060307 <td>Side 1</td> <td></td>	Side 1	
Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method         pluggable           Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307 </td <td>Mounting method</td> <td>pluggable</td>	Mounting method	pluggable
Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Wounting method           Puggable           Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           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           ECIASS-11.1         27060307           ECIASS-12.0         27060307           ECIASS-142.0         EX060307           ECIASS-142.0         EX060307           ECIASS-142.0         EX060307           ECIASS-142.0         EX060307           ECIASS	Family construction form	RJ45
Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method         pluggable           Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial date           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           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-11.1         28044210           customs tariff number         85444210           customs tariff number         85444210           customs tariff number         4048879438155           EAN         4048879438155	Gender	male
No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method         pluggable           Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         25002599           customs tariff number         85444210           customs tariff number         85444210           customs tariff number         8544210           customs tariff number         8544210           customs tariff number         8544210           customs tariff number         8544210 <td>Cable outlet</td> <td>straight</td>	Cable outlet	straight
Degree of protection (EN IEC 60529)         IP20           Side 2         Mounting method         pluggable           Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           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           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         25002599           coustoms tariff number         85444210           coustoms tariff number         85444210           EAN         4048879438155           EAN         4048879438155	Material	PUR
Side 2           Mounting method         plugable           Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           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           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         5444210           coustoms tariff number         85444210           coustoms tariff number         85444210           EAN         4048879438155           EAN         4048879438155	No. of poles	4
Mounting method pluggable Family construction form RJ45 Gender male Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20  Commercial data  ECLASS-6.0 27061801 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.	Degree of protection (EN IEC 60529)	IP20
Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           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           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECIASS-11.1         27060307           ECIASS-12.0         27060307           ECIASS-11.1         25002599           customs tariff number         85444210           customs tariff number         85444210           EAN         4048879438155           EAN         4048879438155	Side 2	
Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           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-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECIASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444210           customs tariff number         85444210           EAN         4048879438155           EAN         4048879438155	Mounting method	pluggable
Cable outlet         straight           Material         PUR           No. of poles         4           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           ECLASS-12.0         27060307           ECIMS-5.12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-11.1         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-12.0         28060307           ECUASS-10.1         28060307           ECUASS-10.1         28060307           ECUASS-10.1         28060307           ECUASS-10.1         28060307           ECUASS-10.1         280	Family construction form	RJ45
Material         PUR           No. of poles         4           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           ECLASS-12.0         27060307           ECIMS-51.0         27060307           ECIMS-51.0         85444210           customs tariff number         85444210           customs tariff number         85444210           EAN         4048879438155	Gender	male
No. of poles         4           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         4048879438155           EAN         4048879438155	Cable outlet	straight
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           ECIMS-15.0         EC002599           customs tariff number         85444210           customs tariff number         85444210           EAN         4048879438155           EAN         4048879438155	Material	PUR
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           ECLASS-12.0         27060307           customs tariff number         85444210           customs tariff number         85444210           EAN         4048879438155           EAN         4048879438155	No. of poles	4
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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 4048879438155 EAN 4048879438155	ECLASS-6.1	27060307
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ECLASS-12.0       27060307         ETIM-5.0       EC002599         customs tariff number       85444210         customs tariff number       85444210         EAN       4048879438155         EAN       4048879438155	ECLASS-10.1	27060307
ETIM-5.0 EC002599  customs tariff number 85444210  customs tariff number 85444210  EAN 4048879438155  EAN 4048879438155	ECLASS-11.1	27060307
customs tariff number     85444210       customs tariff number     85444210       EAN     4048879438155       EAN     4048879438155	ECLASS-12.0	27060307
customs tariff number     85444210       EAN     4048879438155       EAN     4048879438155	ETIM-5.0	EC002599
EAN 4048879438155 EAN 4048879438155	customs tariff number	85444210
EAN 4048879438155	customs tariff number	85444210
	EAN	4048879438155
Packaging unit 1	EAN	4048879438155
	Packaging unit	1



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Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication   Ethernet func	tionality
duplex	Full duplex
Device protection   Electrical	
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Locking material	PA
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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	according to IEC 60603-7 (RJ45)
Installation   Cable	
wire arrangement	white, yellow, blue, orange
Cable identification	794
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weigth	75,87 g/m
Material jacket	PUR
Shore hardness jacket	89 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,7 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	FRNC
Color (inner jacket)	white
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,55 mm

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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Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	$100~\Omega \pm 15~\%$
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter