

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

PUR 1x4xAWG22 shielded rd UL/CSA+drag ch. 12m

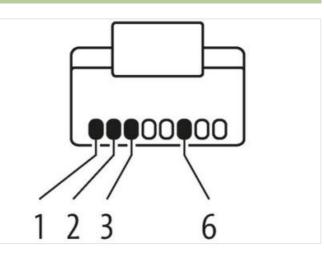
Art.No.: 7000-74301-7921200 Weight: 0.777 Country of origin: DE Model designation: MSRAL0-RA-8P4C792\_12.0

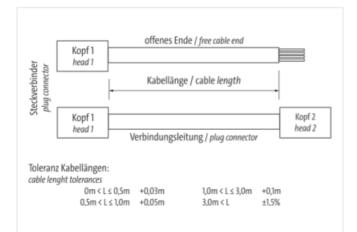
Ethernet CAT5 Male straight – male straight RJ45 – RJ45, 4-pole shielded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

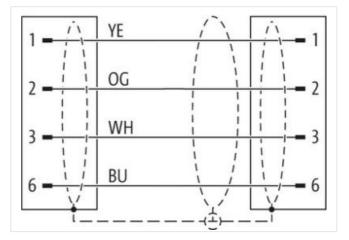
## Link to Product

Illustration



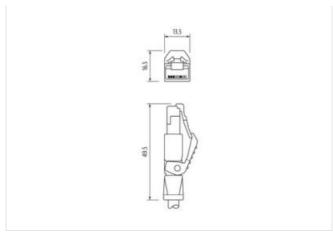






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Product may differ from Image



Muniting method         pluggable           Family construction form         RJ45           Bander         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Stde 2            Mounting method         pluggable           amily construction form         RJ45           Bander         male           Cable outlet         straight           Adaterial         PUR           So of poles         RJ45           Bander         male           Cable outlet         straight           Adaterial         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         PUR           CLASS-6.0         27061801           CLASS-6.0         27061807           CLASS-6.0         27060307           CLASS-7.0         27060307           CLASS-8.0         27060307           CLASS-9.0         27060307           CLASS-9.0         27060307           CLASS-9.0         27060307 <th>Cable length</th> <th>12 m</th>	Cable length	12 m
Family construction form         RJ45           Bender         male           Cable outlet         straight           Valerial         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2	Side 1	
Bander         male           Dable outlet         straight           Adderial         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method         plugable           amily construction form         RJ45           Bander         male           Dable outlet         straight           Adterial         PUR           No. of poles         4           Optimeter         male           Dable outlet         straight           Adterial         PUR           No. of poles         4           Optimeter         Traight           Adterial         PUR           No. of poles         4           Commercial data         F20           Conservetal (EN IEC 60529)         IP20           Colass-6.0         27060307           COLASS-7.0	Mounting method	pluggable
Cable outlet         straight           Material         PUR           Vo. of poles         4           Degree of protection (EN IEC 60529)         P20           Side 2	Family construction form	RJ45
Value         VIC           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2	Gender	male
No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2	Cable outlet	straight
Degree of protection (EN IEC 60529)         IP20           Side 2 <td< td=""><td>Material</td><td>PUR</td></td<>	Material	PUR
Side 2           Mounting method         pluggable           Family construction form         RJ45           Gender         male           Cable outlet         straight           Material         PUR           Obegree of protection (EN IEC 60529)         IP20           Commercial data         27061801           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-1.1         27060307           ECLASS-1.0         27060307           ECLASS-1.0.1         27060307           ECLASS-1.0.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1.1         27060307           ECLASS-1.1.1         27060307           ECLASS-1.1.1         27060307           ECLASS-1.1.1         27060307           ECLASS-1.1.2         27060307           ECLASS-1.1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.2.0         27060307           ECLASS-1.2.0         27	No. of poles	4
Mounting method         pluggable           amily construction form         RJ45           Gender         male           Cable outlet         straight           Vaterial         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-10.1         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0 <td< td=""><td>Degree of protection (EN IEC 60529)</td><td>IP20</td></td<>	Degree of protection (EN IEC 60529)	IP20
Family construction form         RJ45           Gender         male           Cable outlet         straight           Waterial         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         ECLASS-6.0           ECLASS-6.1         27061801           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-1.1         27060307           ECLASS-1.2         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0         27060307           ECLASS-1.2.0         27060307           ECLASS-1.2.0         27060307           ECLASS-1.2.0         27060307           ECLASS-1.2.0         27060307           EctASS-1.2.0         27060307           EctASS-1.2.0         27060307           EctASS-1.2.0 <td>Side 2</td> <td></td>	Side 2	
Bender         male           Cable outlet         straight           Vaterial         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           ECLASS-11.1         27060307           ECLASS-12.0         27060307           Ecuastry attriff number         8544210           Ecuastry attriff number         85444210           EAN         4048879676717           EAN         4048879676717	Mounting method	pluggable
Cable outlet         straight           Vaterial         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-12.0         27060307           Ecuasts-12.0         85444210           cuastoms tariff number         85444210           cuastoms tariff number         85444210           EAN         4048879676717           EAN         4048879676717	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 8.0         27060307           ECLASS 8.0         27060307           ECLASS 8.10.1         27060307           ECLASS 9.0         27060307           ECLASS 1.1.1         27060307           ECLASS 1.1.1         27060307           ECLASS 1.2.0         27060307           ECLASS 1.2.0         27060307           ECLASS 1.2.0         27060307           EXPONDENT         ECOLASS 1.2.0           EXPONDENT         ECOLASS 1.2.0           EXPONDENT         ECOLESS 1.2.0 <td< td=""><td>Gender</td><td>male</td></td<>	Gender	male
No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         27061801           ECLASS-6.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           EDLASS-12.0         27060307           EDLASS-12.0 <td>Cable outlet</td> <td>straight</td>	Cable outlet	straight
Degree of protection (EN IEC 60529)         IP20           Commercial data         27061801           ECLASS-6.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         85444210           sustoms tariff number         85444210           Sustoms tariff number         85444210           EAN         4048879676177	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-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         85444210           sustoms tariff number         85444210           Sustoms tariff number         85444210           ECLASS         4048879676717           EAN         4048879676717	No. of poles	4
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           Exposes tariff number         85444210           Exposes tariff number         85444210           EAN         4048879676717           EAN         4048879676717	Degree of protection (EN IEC 60529)	IP20
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         exustoms tariff number       85444210         EXASMAN       4048879676717         EAN       4048879676717	Commercial data	
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         sustoms tariff number       85444210         customs tariff number       85444210         EAN       4048879676717         EAN       4048879676717	ECLASS-6.0	27061801
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       4048879676717         EAN       4048879676717	ECLASS-6.1	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       4048879676717         EAN       4048879676717	ECLASS-7.0	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       4048879676717         EAN       4048879676717	ECLASS-8.0	27060307
ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444210           customs tariff number         85444210           EAN         4048879676717           EAN         4048879676717	ECLASS-9.0	27060307
ECLASS-12.0       27060307         ETIM-5.0       EC002599         customs tariff number       85444210         customs tariff number       85444210         EAN       4048879676717         EAN       4048879676717	ECLASS-10.1	27060307
ETIM-5.0         EC002599           customs tariff number         8544210           customs tariff number         8544210           customs tariff number         8544210           EAN         4048879676717           EAN         4048879676717	ECLASS-11.1	27060307
customs tariff number         85444210           customs tariff number         85444210           EAN         4048879676717           EAN         4048879676717	ECLASS-12.0	27060307
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EAN         4048879676717           EAN         4048879676717	customs tariff number	85444210
EAN 4048879676717	customs tariff number	85444210
	EAN	4048879676717
Packaging unit 1	EAN	4048879676717
	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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	endangered by excessive bending forces.
Product standard	according to IEC 60603-7 (RJ45)
Installation   Cable	
wire arrangement	white, yellow, blue, orange
Cable identification	792
Jacket Color	red
Type of Certificate	cURus
Amount stranding	1 4 wires around Care filler twisted
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned 85 %
Cable shielding (coverage) Banding	85 % Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weigth	69,3 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)	natural
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,4 mm

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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 Ω ± 15 % @ 100 MHz
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)	50000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	0° 08
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of bending cycles (C-track)	3 Mio.
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 180 °/m

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