

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

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

Art.No.: 7000-74301-6751200

Weight: 0.853 Country of origin: DE

Model designation: MSRAL0-RA-8p4c675\_12.0

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

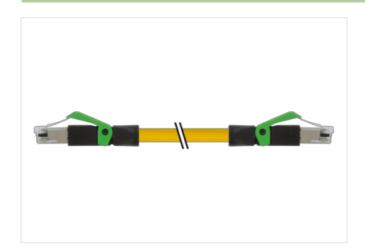
Further cable lengths on request.

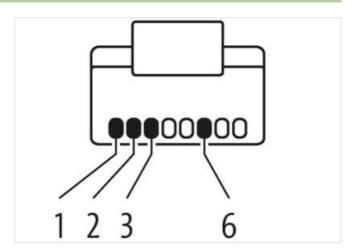
Plastic housings with good resistance against chemicals and oils.

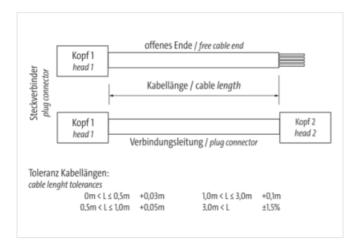
The resistance to aggressive media should be individually tested for your application. Further details on request.

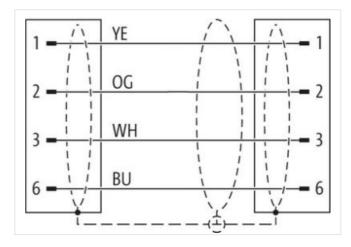
## **Link to Product**

## Illustration



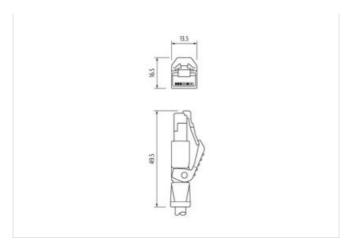








stay connected



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 data           ECLASS-6.0         27061801           ECLASS-6.1         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         EC002599           customs tariff number         85444210	Cable length	12 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 data           ECLASS-6.0         27061801           ECLASS-6.1         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         EC002599           customs tariff number         85444210	Side 1	
Gender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2         IP20           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-6.1         27060307           ECLASS-9.0         27060307         ECLASS-9.0         27060307           ECLASS-1.1         27060307         ECLASS-11.1         27060307           ECLASS-11.1         27060307         ECLASS-12.0         27060307           ETIM-5.0         EC002599         Exustoms tariff number         85444210	Mounting method	pluggable
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-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-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307 <td>Family construction form</td> <td>RJ45</td>	Family construction form	RJ45
Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method         pluggable           Earnily 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           ECIASS-12.0         27060307           ECIASS-12.0         27060307           ECIASS-12.0         27060307           ECIASS-12.0         28060307           ECIASS-12.0         28060307           ECIASS-12.0         28060307           ECIASS-12.0         28060307 <td>Gender</td> <td>male</td>	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-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         270	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-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         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         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307      <	Material	PUR
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-12.0         27060307           ECLASS-11.1         27060307           ECLASS-12.0         85444210	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-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-11.1 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-13.0 27060307 ECLASS-14.0 27060307 ECLASS-15.0 27060307	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-11.2.0         27060307           ECLASS-12.0         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-10.5         ECUASS-10.5           ECLASS-11.1         27060307           ECLASS-11.2         27060307           ECLASS-10.5         27060307           ECLASS-10.0         27060307           ECLASS-10.0         27060307           ECLASS-10.0         27060307           ECLASS-10.0 <th< td=""><td>Side 2</td><td></td></th<>	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-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         28060307           ECLASS-11.1         28060307           ECLASS-12.0         28060307           ECLASS-10.0         28060307	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-11.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444210	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-9.0 27060307  ECLASS-9.0 27060307  ECLASS-10.1 27060307  ECLASS-11.1 27060307  ECLASS-11.1 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	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-11.1 27060307  ECLASS-12.0 27060307	Cable outlet	straight
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         85444210	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           ETIM-5.0         EC002599           customs tariff number         85444210	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-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 85444210	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-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444210	Commercial data	
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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	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	ECLASS-7.0	27060307
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444210	ECLASS-8.0	27060307
ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444210	ECLASS-9.0	27060307
ECLASS-12.0 27060307  ETIM-5.0 EC002599  customs tariff number 85444210	ECLASS-10.1	27060307
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	ETIM-5.0	EC002599
	customs tariff number	85444210
customs tariff number 85444210	customs tariff number	85444210
EAN 4065909046258	EAN	4065909046258
EAN 4065909046258	EAN	4065909046258
Packaging unit 1	Packaging unit	1



stay connected

Packaging unit	1
	<u>'</u>
Electrical data   Supply	00.17
Operating voltage DC max.	1,5 A
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)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Locking material	PA
-	FA
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	675
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement  Cable weigth	white, yellow, blue, orange 69,3 g/m
	99,3 g/III PUR
Material jacket	
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 4
Amount wires  Outer diameter insulation	
Outer diameter insulation	1,4 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



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)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
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 (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