

## RJ45 male 0° / RJ45 male 45° up shielded

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 70m

Art.No.: 7000-74321-8007000

Weight: 4.713 Country of origin: DE

Model designation: MSRAL0-RH-8p4c800 70.0

Ethernet CAT5 RJ45 – RJ45, 4-pole Male straight – male 45° on top shielded

Further cable lengths on request.

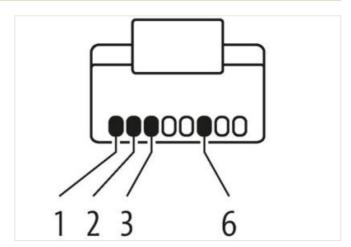
Plastic housings with good resistance against chemicals and oils.

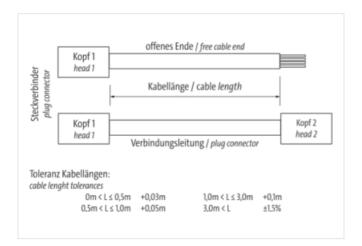
The resistance to aggressive media should be individually tested for your application. Further details on request.

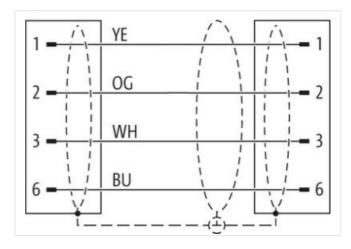
## **Link to Product**

## Illustration





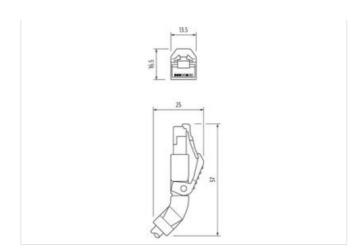






## stay connected





Product may differ from Image















Mounting method plugable Family construction form RJ45 Family construction form male Family construction form male Family construction form male Family construction form male Family construction form PUR Family construction (EN IEC 60529) IP20 Family construction form RJ45 Family construction form RJ45 Family construction form RJ45 Family construction form RJ45 Family construction form male Family construction form male Family construction form male Family construction form male Family construction form MJ45 Fa	Cable length	70 m
Family construction form         RJ45           Bender         male           Cable outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method           Family construction form         RJ45           Sender         male           Sable outlet         angled           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-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-15.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307	Side 1	
Bender         male           2able outlet         straight           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method         pluggable           armity construction form         RJ45           Sender         male           Sable outlet         angled           Material         PUR           No. of poles         4           Pegree 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-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-15.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-13.0         27060307           ECLASS-14.0         27060307           ECLASS-15.0         27060307           ECLASS-10.1         27060307 <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           Mounting method         pluggable           armily construction form         RJ45           Bender         male           Cable outlet         angled           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-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ECLASS-14.0         ECCLASS-14.0           EXISTANCE         8544210           Existents tariff number         8544210           EXAM         4048879547789           EAN         4048879547789	Family construction form	RJ45
Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2         Mounting method           Family construction form         RJ45           Gender         male           Cable outlet         angled           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         CCASS-6.0           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           EXISTENCY         8544210           EVENT STIFF In umber         8544210           EXAM         4048879547789	Gender	male
No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Side 2           Mounting method         pluggable           armity construction form         RJ45           Gender         male           Cable outlet         angled           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-12.0         27060307           ECLASS-12.0         25000307           ECLASS-12.0         25000307           ECLASS-10.1         250002599           Eustoms tariff number         85444210           EUStoms tariff number         85444210           EAN         4048879547789           EAN         4048879547789	Cable outlet	straight
Degree of protection (EN IEC 60529)         IP20           Side 2         Mounting method         pluggable           Family construction form         RJ45           Gender         male           Dable outlet         angled           Material         PUR           No. of poles         4           Degree of protection (EN IEC 60529)         IP20           Commercial data         FUR           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO02599           sustoms tariff number         85444210           sustoms tariff number         85444210           EAN         4048879547789           EAN         4048879547789	Material	PUR
Side 2           Mounting method         pluggable           Family construction form         RU45           Gender         male           Cable outlet         angled           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-15.0         85444210           sustoms tariff number         85444210           sustoms tariff number         85444210           sustoms tariff number         4048879547789           EAN         4048879547789	No. of poles	4
Mounting method pluggable Family construction form RJ45 Sender male Cable outlet angled 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-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.2 27060307 ECLASS-1.3 27060307 ECLASS-1.4 27060307 ECLASS-1.5 27060307 ECLASS-1.5 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.2 27060307 ECLASS-1.3 27060307 ECLASS-1.4 27060307 ECLASS-1.5 27060307 ECLASS-1.5 27060307 ECLASS-1.6 27060307 ECLASS-1.7 27060307 ECLASS-1.8 27060307 ECLASS-1.9 27060307 ECLASS-1.0 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.2 27060307 ECLASS-1.2 27060307 ECLASS-1.2 27060307 ECLASS-1.2 27060307 ECLASS-1.2 27060307 ECLASS-1.3 27060307 ECLASS-1.3 27060307 ECLASS-1.4 27060307 ECLASS-1.5 27060307 ECLASS-1.1	Degree of protection (EN IEC 60529)	IP20
Family construction form         RJ45           Gender         male           Cable outlet         angled           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-12.0         27060307           ECLASS-12.0         27060307           ECLASS-12.0         85444210           customs tariff number         85444210           EAN         4048879547789           EAN         4048879547789	Side 2	
Gender         male           Cable outlet         angled           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           ETIM-5.0         EC002599           customs tariff number         85444210           EAN         4048879547789           EAN         4048879547789	Mounting method	pluggable
Cable outlet         angled           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-12.0         85444210           sustoms tariff number         85444210           EAN         4048879547789           EAN         4048879547789	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         85444210           Sustoms tariff number         85444210           EAN         4048879547789           EAN         4048879547789	Gender	male
No. of poles 4 Degree of protection (EN IEC 60529) IP20  Commercial data  CCLASS-6.0 27061801  CCLASS-6.1 27060307  CCLASS-7.0 27060307  CCLASS-8.0 27060307  CCLASS-9.0 27060307  CCLASS-9.0 27060307  CCLASS-10.1 27060307  CCLASS-10.1 27060307  CCLASS-10.1 27060307  CCLASS-11.1 27060307  CCLASS-11.1 27060307  CCLASS-11.1 27060307  CCLASS-12.0 27060307	Cable outlet	angled
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-9.1 27060307  ECLASS-10.1 27060307  ECLASS-11.1 27060307  ECLASS-10.1	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           customs tariff number         85444210           EAN         4048879547789           EAN         4048879547789	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-10.1 27060307  ECLAS	Degree of protection (EN IEC 60529)	IP20
ECLASS-6.1 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 27060307 ECLASS-14.0 4048879547789 EAN 4048879547789	Commercial data	
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ECLASS-8.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 sustoms tariff number 85444210 EAN 4048879547789 EAN 4048879547789	ECLASS-6.1	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 EAN 4048879547789 EAN 4048879547789	ECLASS-7.0	27060307
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 sustoms tariff number 85444210 EAN 4048879547789 EAN 4048879547789	ECLASS-8.0	27060307
ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 sustoms tariff number 85444210 EAN 4048879547789 EAN 4048879547789	ECLASS-9.0	27060307
ECLASS-12.0 27060307 ETIM-5.0 EC002599 sustoms tariff number 85444210 sustoms tariff number 85444210 EAN 4048879547789 EAN 4048879547789	ECLASS-10.1	27060307
ETIM-5.0 EC002599 sustoms tariff number 85444210 sustoms tariff number 85444210 EAN 4048879547789 EAN 4048879547789	ECLASS-11.1	27060307
Eustoms tariff number     85444210       EAN     4048879547789       EAN     4048879547789	ECLASS-12.0	27060307
EAN 4048879547789  EAN 4048879547789	ETIM-5.0	EC002599
EAN 4048879547789 4048879547789	customs tariff number	85444210
EAN 4048879547789	customs tariff number	85444210
	EAN	4048879547789
Packaging unit 1	EAN	4048879547789
	Packaging unit	1



stay connected

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 fun	•
duplex	Full duplex
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
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	
·	PA
Locking material	
Environmental characteristics   Climatic	
Operating temperature min.	-25 ℃
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	orange, white, yellow, blue
Cable identification	800
Function cable	Data
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler star-shaped twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Foil
Filler	yes
wire arrangement	orange, white, yellow, blue
Cable weigth	73,7 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	±5%
Tolerance outer diameter (sheath)  Material inner jacket	±5% FRNC
Material inner jacket	FRNC

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 insulation	1,53 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	30 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	60 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1 kV @ 60 s
Electrical capacity line constant (wire - wire)	55000 pF/km
Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
AC withstand voltage (wire - shield)	1 kV @ 60 s
Isolation resistance	2000 MΩ × km
Loop resistance	124 Ω/km
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-10 °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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C