

RJ45 Push Pull male 0°/ RJ45 male 0° shielded AIDA

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 45m

Art.No.: 7000-74305-7964500

Weight: 3.206

Country of origin: DE

Model designation: MSRAL0-PA-8p4c796 45.0

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Male straight – male straight

RJ45 – RJ45PP, 4-pole

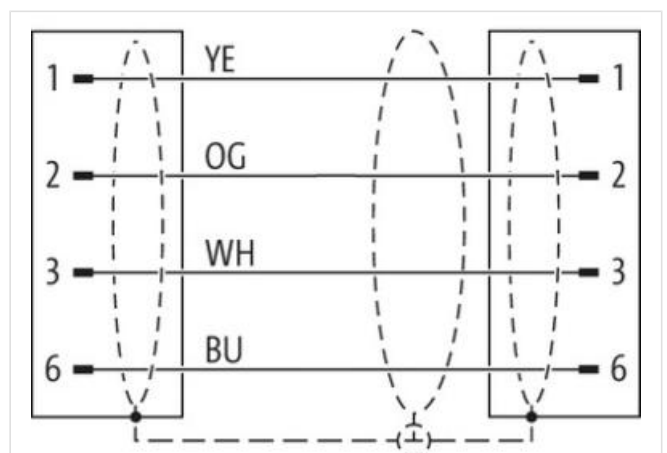
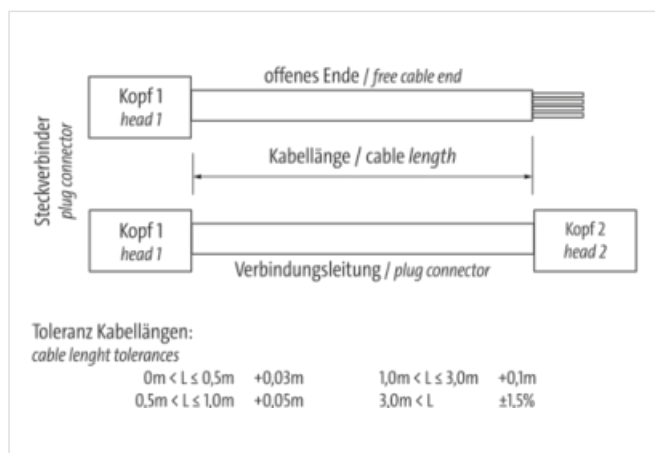
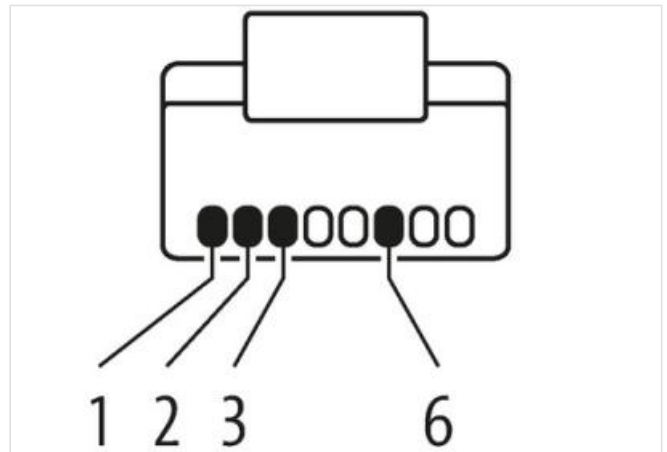
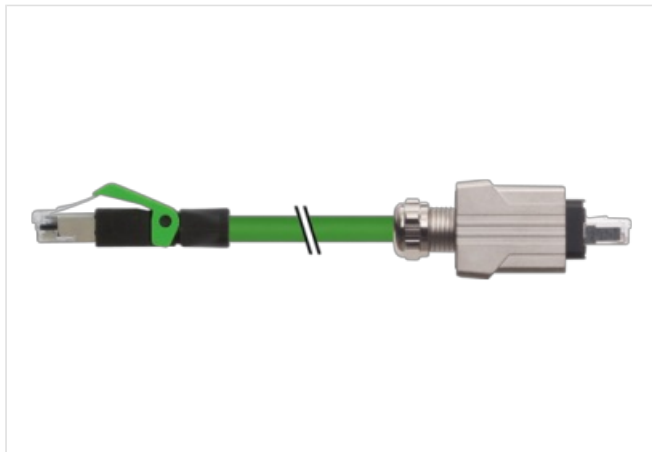
shielded

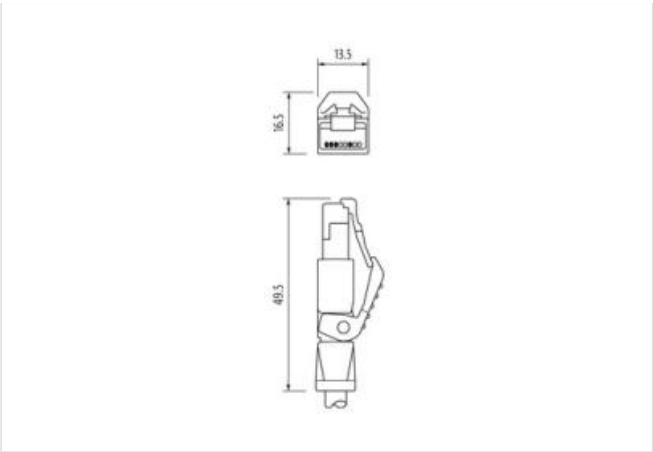
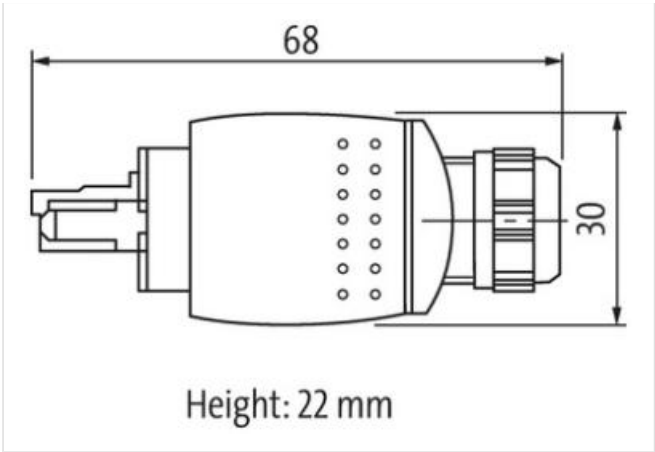
Push Pull

Further cable lengths on request.

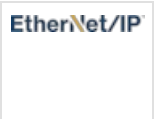
Plastic housings with good resistance against chemicals and oils.

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

[Link to Product](#)**Illustration**



Product may differ from Image



Cable length 45 m

Side 1

Mounting method	pluggable
Family construction form	RJ45
Gender	male
Cable outlet	straight
Material	PA
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	Zinc die-casting
No. of poles	4
Degree of protection (EN IEC 60529)	IP65, IP67

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	4048879911603
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)
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Data transmission rate max.	100 MBit/s
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Industrial communication | Ethernet functionality

duplex	Full duplex
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Device protection | Electrical

Pollution Degree	3
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Rated surge voltage	1 kV
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Material group (IEC 60664-1)	I
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Mechanical data

Contour for corrugated hose	without
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Mechanical data | Mounting data

Looking techniques	Push Pull
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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Important installation notes

Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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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.
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Conformity

Product standard	according to IEC 60603-7 (RJ45)
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Installation | Cable

wire arrangement	white, yellow, blue, orange
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Cable identification	796
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Jacket Color	green
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Type of Certificate	cURus
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Amount stranding	1
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Stranding	4 wires around Core filler twisted
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Cable shielding (type)	copper braid, tinned
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Cable shielding (coverage)	85 %
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Banding	Fleece, Foil
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Filler	yes
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wire arrangement	white, yellow, blue, orange
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Cable weight	69,3 g/m
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Material jacket	PUR
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Shore hardness jacket	89 Shore A
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Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Outer-diameter (jacket)	6,7 mm
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Tolerance outer diameter (sheath)	± 5 %
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Material inner jacket	FRNC
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Color (inner jacket)	natural
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Material wire insulation	PE
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Amount wires	4
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Outer diameter insulation	1,4 mm
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Outer diameter tolerance core insulation	± 5 %
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Shore hardness wire insulation	65 Shore D
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Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
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Amount strands (wire)	7
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Diameter of single wires	22 AWG
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Conductor crosssection (wire)	22 AWG
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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 $\Omega \pm 15\%$ @ 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 M $\Omega \times \text{km}$
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 § 1090 UL 1581 § 1100 FT2
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. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m