

RJ45 Basic male 0° / RJ45 Basic male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 23.0m

Art.No.: 7000-74309-7962300

Weight: 1.622

Country of origin: HU

Model designation: MSRAL0-RA-8p4c796_23.0

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Male straight – male straight

RJ45 – RJ45, 4-pole

shielded

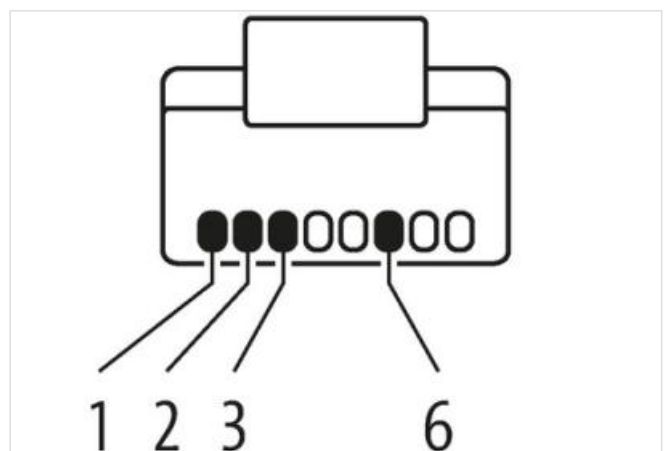
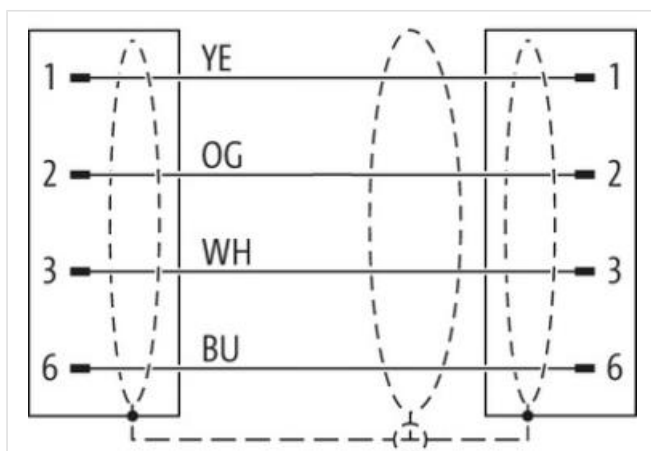
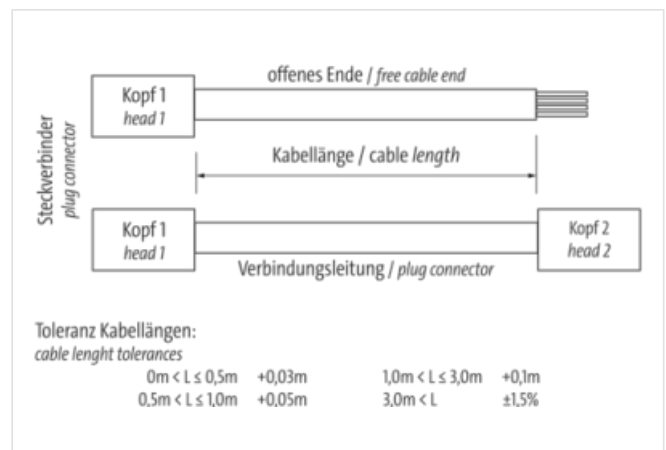
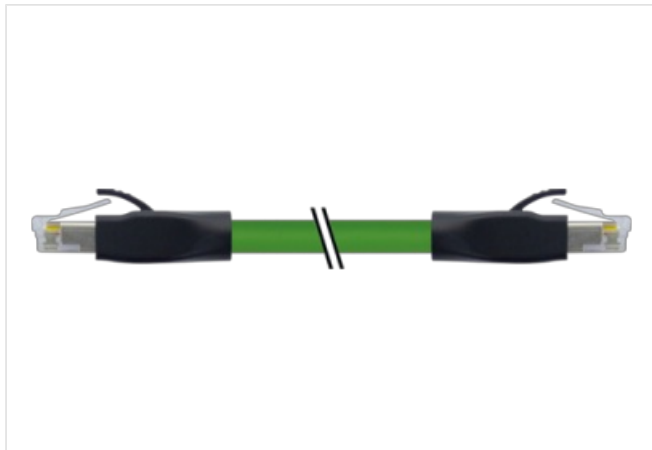
with cable sleeves

maximum length at channel transmission corresponds to 100 m

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 | 23 m |
|--------------|------|

Side 1

| | |
|--------------------------|----------|
| Mounting method | inserted |
| Family construction form | RJ45 |
| No. of poles | 4 |

Side 2

| | |
|--------------------------|----------|
| Mounting method | inserted |
| Family construction form | RJ45 |
| No. of poles | 4 |

Commercial data

| | |
|-----------------------|---------------|
| ECLASS-6.0 | 27279221 |
| 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 | EC001855 |
| customs tariff number | 85444210 |
| customs tariff number | 85444210 |
| EAN | 4065909079584 |
| EAN | 4065909079584 |
| Packaging unit | 1 |
| Packaging unit | 1 |

Electrical data | Supply

| | |
|------------------------------------|-------|
| Operating voltage DC max. | 60 V |
| Current operating per contact max. | 1,5 A |

Industrial communication

| | |
|-----------------------------|---|
| Transfer parameters | CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max. | 100 MBit/s |

Industrial communication | Ethernet functionality

| | |
|--------|-------------|
| duplex | Full duplex |
|--------|-------------|

Diagnostics

| | |
|-----------------------|----|
| Status indication LED | no |
|-----------------------|----|

Device protection | Electrical

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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| | |
|-------------------------------------|------|
| Degree of protection (EN IEC 60529) | IP20 |
| 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

| | |
|------------------|-----|
| Material housing | PUR |
| Locking material | PA |

Mechanical data | Mounting data

| | |
|--------------------|-------------------|
| Looking techniques | Snap-in connector |
|--------------------|-------------------|

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. |

Installation | Cable

| | |
|--|--|
| wire arrangement | white, yellow, blue, orange |
| Cable identification | 796 |
| Jacket Color | green |
| 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 | white, yellow, blue, orange |
| Cable weight | 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 |
| 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 $\Omega \pm 15\%$ @ 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 |