

**RJ45 male 90° down with cable shielded**

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

Art.No.: 7000-74241-7964500

Weight: 3.134

Country of origin: DE

Model designation: MSREL0-8p4c796\_45.0-ZS

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Male 90° down

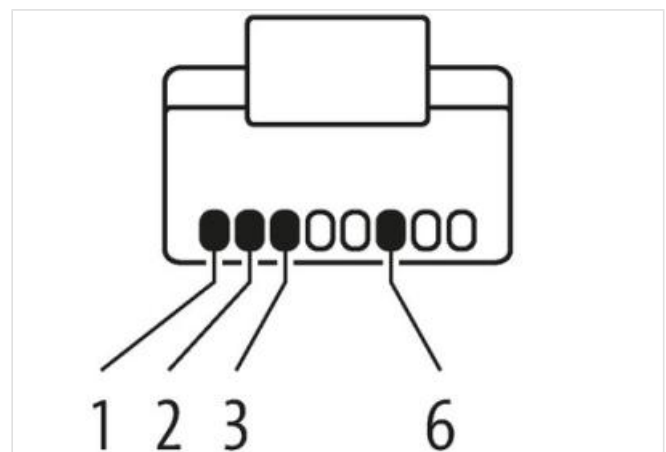
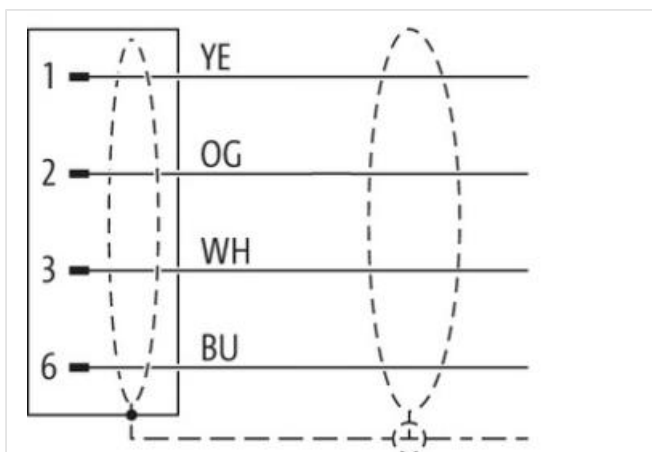
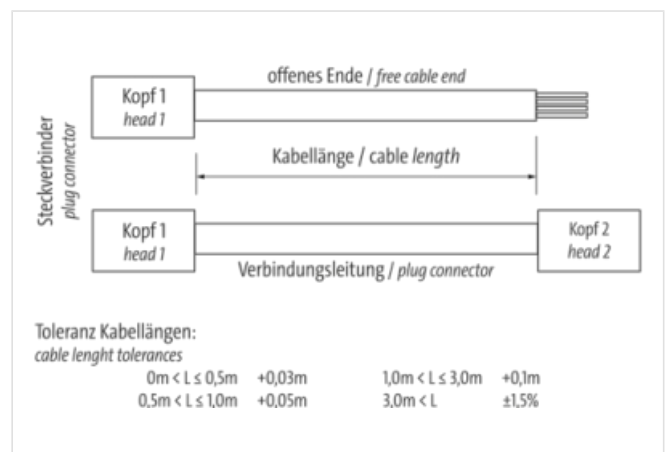
RJ45, 4-pole

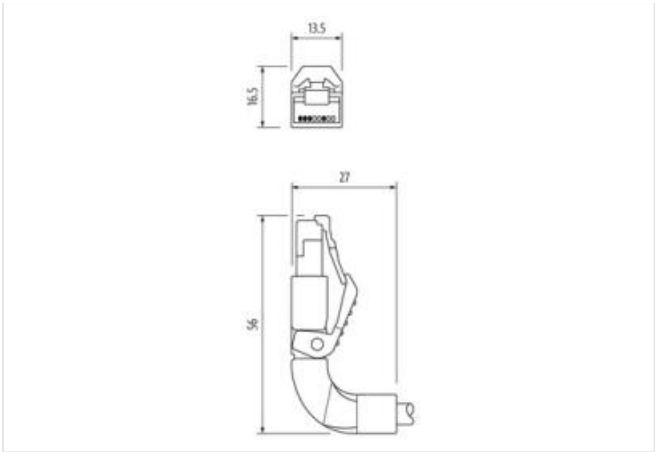
shielded

Further cable lengths on request.

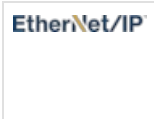
Plastic housings with good resistance against chemicals and oils.

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

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



Product may differ from Image



|                                                   |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| Cable length                                      | 45 m                                             |
| Side 1                                            |                                                  |
| Family construction form                          | RJ45                                             |
| 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                                               | 4065909046302                                    |
| EAN                                               | 4065909046302                                    |
| 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                               | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max.                       | 100 MBit/s                                       |
| Industrial communication   Ethernet functionality |                                                  |
| duplex                                            | Full duplex                                      |
| Device protection   Electrical                    |                                                  |
| 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

**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)  $\pm 5 \%$ 

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  $\pm 5 \%$ 

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  $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire  $55 \Omega/\text{km} @ 20 \text{ }^\circ\text{C}$ 

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 § 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                                            |