

## RJ45 male 45° up with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 10m

Product fulfills requirements according to UN/ECE R118 **Ethernet CAT5e** Male 45° on top

RJ45, 4-pole

shielded

Further cable lengths on request.

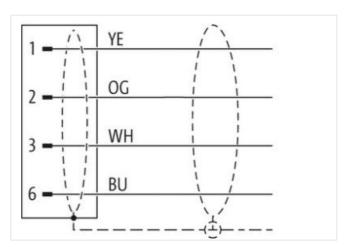
Plastic housings with good resistance against chemicals and oils.

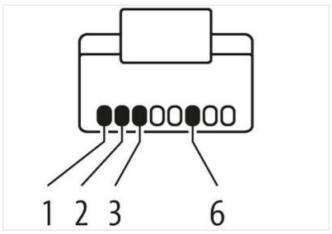
The resistance to aggressive media should be individually tested for your application. Further details on request.

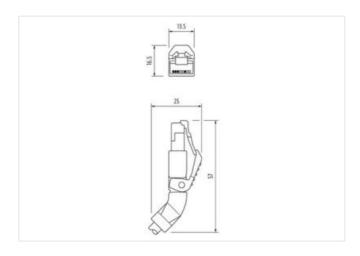
## **Link to Product**

## Illustration









Product may differ from Image















Cable length

10 m

Side 1



Family construction form RJ45 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 FCLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 85444210 customs tariff number GTIN 4048879403825 Packaging unit Electrical data | Supply Operating voltage DC max. 60 V 30 V Operating voltage DC max. (UL-listed) Current operating per contact max. 1,5 A Industrial communication Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) 100 MBit/s Data transmission rate max. Industrial communication | Ethernet functionality duplex Full duplex Device protection | Electrical Degree of protection (EN IEC 60529) IP20 Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1 kV Material group (IEC 60664-1) Mechanical data Contour for corrugated hose without Mechanical data | Material data Material housing PUR PΑ Locking material Environmental characteristics | Climatic Operating temperature min. -25 °C 85 °C Operating temperature max. 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius 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

Cable shielding (type)

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20

4 wires around Core filler twisted

copper braid, tinned



## stay connected

| Cable shielding (coverage)                        | 85 %   |
|---|--|
| Banding   | Fleece, Foil   |
| Filler  | yes  |
| wire arrangement                                  | white, yellow, blue, orange                                    |
| Cable weigth                                      | 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)                              | natur  |
| 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                          | $100~\Omega$ ± 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 § 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  |