

**RJ45 male 0° / RJ45 male 0° shielded**

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 50m

Ethernet CAT5

Male straight – male straight

RJ45 – RJ45, 4-pole

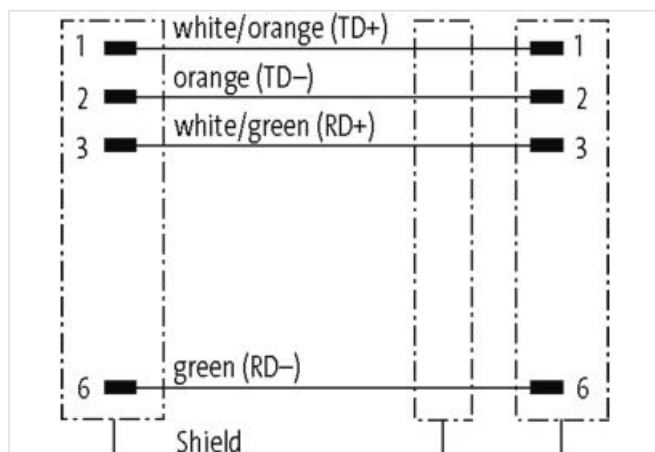
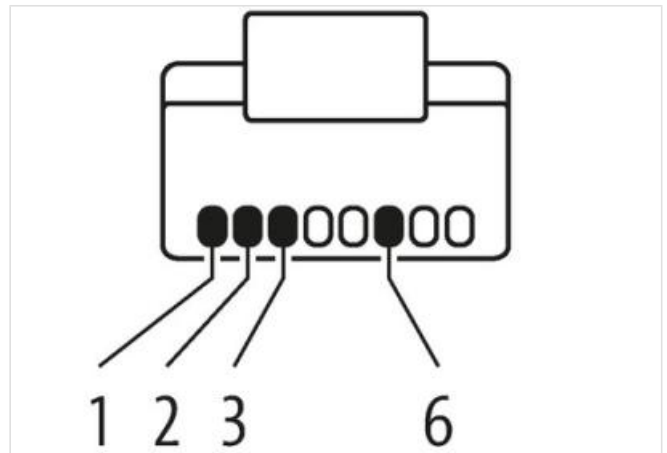
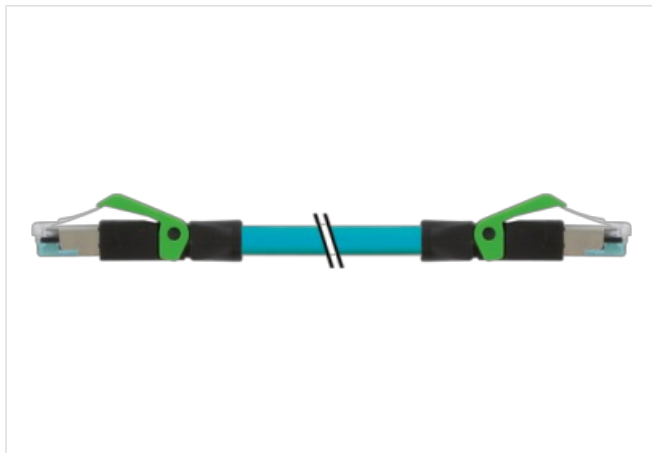
shielded

without cable sleeves

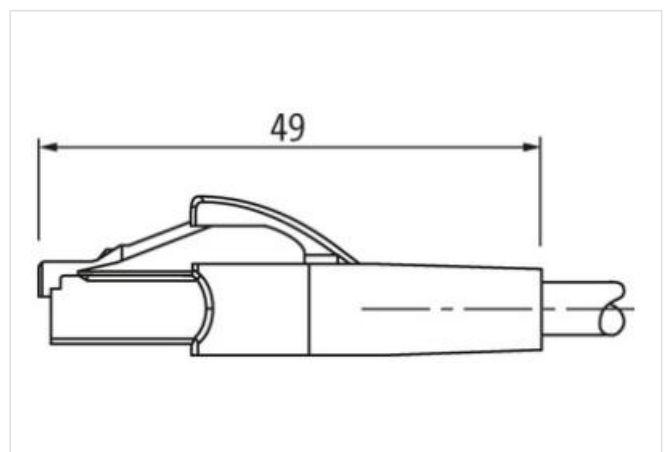
Further cable lengths on request.

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

50 m

|  |   |
|--|---|
| <b>Side 1</b>  |   |
| Mounting method  | inserted  |
| Family construction form                                 | RJ45  |
| No. of poles   | 4   |
| <b>Side 2</b>  |   |
| Family construction form                                 | RJ45  |
| No. of poles   | 4   |
| <b>Commercial data</b>                                   |   |
| 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  |
| GTIN   | 4048879812900   |
| Packaging unit   | 1   |
| <b>Electrical data   Supply</b>                          |   |
| Operating voltage DC max.                                | 60 V  |
| <b>Industrial communication</b>                          |   |
| Transfer parameters                                      | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  |
| Data transmission rate max.                              | 100 MBit/s  |
| <b>Industrial communication   Ethernet functionality</b> |   |
| duplex   | Full duplex   |
| <b>Device protection   Electrical</b>                    |   |
| Pollution Degree   | 3   |
| Rated surge voltage                                      | 1 kV  |
| Material group (IEC 60664-1)                             | I   |
| <b>Environmental characteristics   Climatic</b>          |   |
| Operating temperature min.                               | -25 °C  |
| Operating temperature max.                               | 85 °C   |
| Additional condition temperature range                   | depending on cable quality  |
| <b>Important installation notes</b>                      |   |
| 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. |
| <b>Installation   Cable</b>                              |   |
| Cable identification                                     | S4U   |
| Jacket Color   | teal  |
| Type of Certificate                                      | cURus   |
| Amount stranding   | 2   |
| Stranding  | 2 wires twisted   |
| Stranding (type 2)                                       | 2 Stranded joints twisted   |
| Cable shielding (type)                                   | Metal fleece  |
| Cable shielding (coverage)                               | 75 %  |
| Banding  | Fleece  |
| wire arrangement   | (orange-white, orange), (green-white, green)  |
| Cable weight   | 55,66 g/m   |

|   |  |
|---|--|
| Material jacket                                   | TPE  |
| Freedom from ingredients (jacket)                 | lead-free, CFC-free  |
| Outer-diameter (jacket)                           | 6,6 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %  |
| Material wire insulation                          | HDPE   |
| Amount wires                                      | 4  |
| Outer diameter insulation                         | 1,25 mm  |
| Outer diameter tolerance core insulation          | ± 5 %  |
| Shore hardness wire insulation                    | 65 ± 3 Shore D   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                             | 7  |
| Diameter of single wires                          | 22 AWG   |
| Conductor crosssection (wire)                     | 24 AWG   |
| Material conductor wire                           | copper stranded wire, tinned                                   |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4  |
| Current load capacity min. wire                   | 4,8 A  |
| Electrical resistance line constant wire          | 59 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)                | 3 kV @ 60 s  |
| Electrical capacity line constant (wire - wire)   | 49000 pF/km  |
| Power frequency withstand voltage (wire - jacket) | 3 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 80 °C  |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 70 °C  |
| Flame resistance                                  | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2            |
| chemical resistance                               | Good, application-related testing                              |
| Gasoline resistance                               | Good, application-related testing                              |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (installation)                     | x Outer diameter   |
| Bending radius (fixed)                            | 7 x Outer diameter   |
| Bending radius (dynamic)                          | 12 x Outer diameter  |