

**RJ45 male 0° shielded with cable, Gigabit**

TPE 4x2x24AWG SF/UTP CAT5e bu UL/CSA, CM 7,5m

Ethernet CAT5e

Male straight

RJ45, 8-pole

shielded

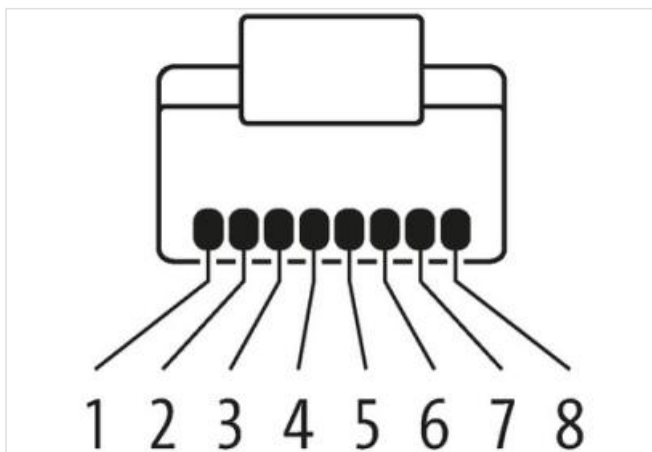
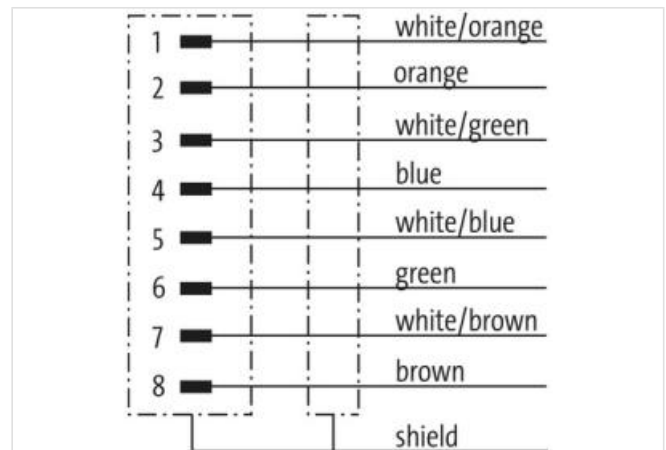
without cable sleeves

Protection cap

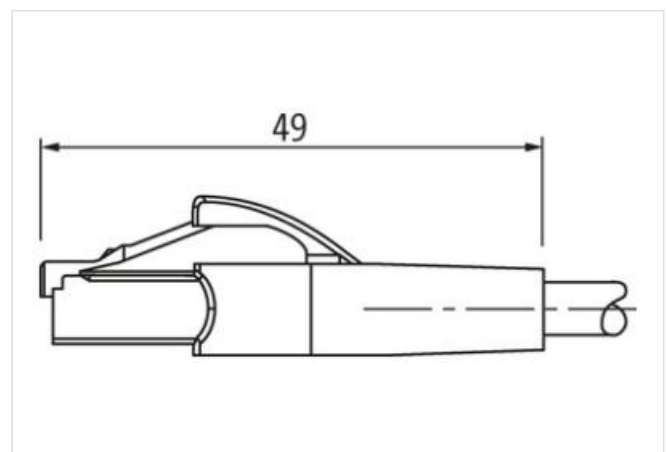
Further cable lengths on request.

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

7,5 m

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Side 1</b>                                   |                                                                                                                                                       |
| Mounting method                                 | inserted                                                                                                                                              |
| Family construction form                        | RJ45                                                                                                                                                  |
| No. of poles                                    | 8                                                                                                                                                     |
| <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                                            | 4048879679435                                                                                                                                         |
| Packaging unit                                  | 1                                                                                                                                                     |
| <b>Electrical data   Supply</b>                 |                                                                                                                                                       |
| Operating voltage DC max.                       | 60 V                                                                                                                                                  |
| Operating voltage DC max. (UL-listed)           | 30 V                                                                                                                                                  |
| Current operating per contact max.              | 1,5 A                                                                                                                                                 |
| <b>Industrial communication</b>                 |                                                                                                                                                       |
| Transfer parameters                             | CAT5e                                                                                                                                                 |
| <b>Diagnostics</b>                              |                                                                                                                                                       |
| Status indication LED                           | no                                                                                                                                                    |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Degree of protection (EN IEC 60529)             | IP20                                                                                                                                                  |
| Additional condition protection degree          | inserted, screwed                                                                                                                                     |
| Pollution Degree                                | 3                                                                                                                                                     |
| <b>Mechanical data</b>                          |                                                                                                                                                       |
| Contour for corrugated hose                     | without                                                                                                                                               |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                       |
| Material housing                                | PUR                                                                                                                                                   |
| Locking material                                | PA                                                                                                                                                    |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Looking techniques                              | Snap-in connector                                                                                                                                     |
| <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                            | S4W                                                                                                                                                   |
| Jacket Color                                    | blue                                                                                                                                                  |
| Type of Certificate                             | cURus                                                                                                                                                 |
| Amount stranding                                | 4                                                                                                                                                     |
| Stranding                                       | 2 wires twisted                                                                                                                                       |

|                                                   |                                                                                        |
|---------------------------------------------------|----------------------------------------------------------------------------------------|
| Stranding (type 2)                                | 4 Stranded joints twisted                                                              |
| Banding                                           | Foil                                                                                   |
| wire arrangement                                  | (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green) |
| Cable weight                                      | 74,8 g/m                                                                               |
| Material jacket                                   | TPE                                                                                    |
| Freedom from ingredients (jacket)                 | lead-free, CFC-free                                                                    |
| Outer-diameter (jacket)                           | 7,6 mm                                                                                 |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                                                  |
| Material wire insulation                          | HDPE                                                                                   |
| Amount wires                                      | 8                                                                                      |
| Outer diameter insulation                         | 1,17 mm                                                                                |
| Outer diameter tolerance core insulation          | ± 5 %                                                                                  |
| Ingredient freeness wire insulation               | lead-free, CFC-free                                                                    |
| Amount strands (wire)                             | 7                                                                                      |
| Diameter of single wires                          | 24 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 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 (fixed)                            | 5 x Outer diameter                                                                     |
| Bending radius (dynamic)                          | 10 x Outer diameter                                                                    |
| Travel speed (C-track)                            | 1 Mio. @ 25 °C                                                                         |
| No. of torsion cycles                             | 3 Mio. 25 °C                                                                           |
| Torsion stress                                    | ± 270 °/m                                                                              |