

**M12 fem.recept. A-cod. rear/RJ45 male 0° shielded**

TPE 4x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 10m

## Ethernet CAT5

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

Flange female straight – male straight

M12 – RJ45, 8-pole

M12, A-coded

shielded

Rear mounting

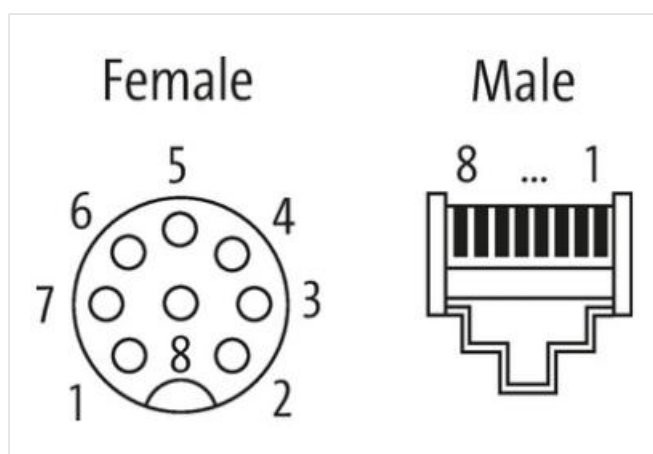
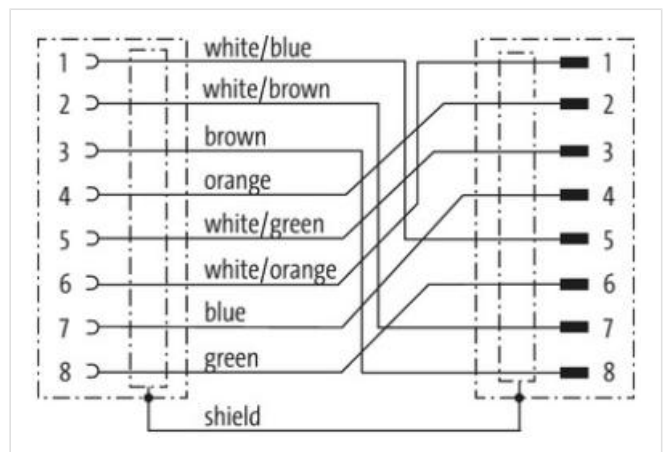
Protection cap

Further cable lengths on request.

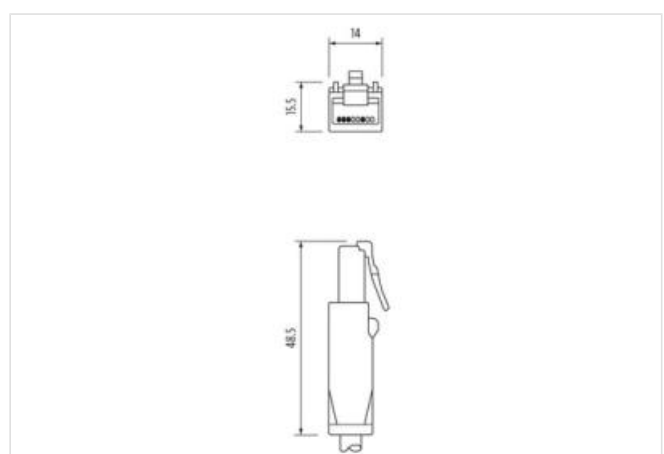
Plastic housings with good resistance against chemicals and oils.

[Link naar het product](#)

## Afbeelding



Product van afwijken van afbeelding



|                                          |                                                                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable length                             | 10 m                                                                                                                                                  |
| Side 1                                   |                                                                                                                                                       |
| Mounting method                          | inserted, screwed                                                                                                                                     |
| Family construction form                 | M12                                                                                                                                                   |
| No. of poles                             | 8                                                                                                                                                     |
| Side 2                                   |                                                                                                                                                       |
| Mounting method                          | inserted, screwed                                                                                                                                     |
| Family construction form                 | RJ45                                                                                                                                                  |
| No. of poles                             | 8                                                                                                                                                     |
| Commerciële gegevens                     |                                                                                                                                                       |
| ECLASS-6.0                               | 27061801                                                                                                                                              |
| ECLASS-7.0                               | 27061801                                                                                                                                              |
| ECLASS-8.0                               | 27061801                                                                                                                                              |
| ECLASS-9.0                               | 27061801                                                                                                                                              |
| ECLASS-10.1                              | 27060307                                                                                                                                              |
| ECLASS-11.1                              | 27060307                                                                                                                                              |
| ECLASS-12.0                              | 27060307                                                                                                                                              |
| ETIM-5.0                                 | EC002599                                                                                                                                              |
| Douane tarief nummer                     | 85444290                                                                                                                                              |
| GTIN                                     | 4048879683159                                                                                                                                         |
| Verpakkingseenheid                       | 1                                                                                                                                                     |
| Electrical data   Supply                 |                                                                                                                                                       |
| Operating voltage AC max.                | 60 V                                                                                                                                                  |
| Operating voltage DC max.                | 60 V                                                                                                                                                  |
| Industrial communication                 |                                                                                                                                                       |
| Transfer parameters                      | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)                                                                                                      |
| Data transmission rate max.              | 1000 MBit/s                                                                                                                                           |
| Device protection   Electrical           |                                                                                                                                                       |
| Pollution Degree                         | 2                                                                                                                                                     |
| Rated surge voltage                      | 0,8 kV                                                                                                                                                |
| Material group (IEC 60664-1)             | I                                                                                                                                                     |
| 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                   | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Installation   Cable                     |                                                                                                                                                       |
| 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 weighth                            | 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                                            |