

**M12 male 0° D-cod. / RJ45 male 0° shielded**

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 1.5m

Ethernet CAT5

Plastic housings with good resistance against chemicals and oils.

Male straight – male straight

Transmission properties with channel transmission up to 100 m

M12 – RJ45, 4-pole

D-coded

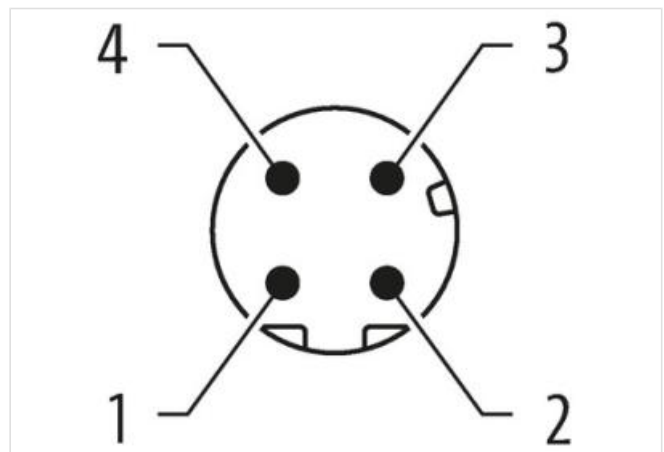
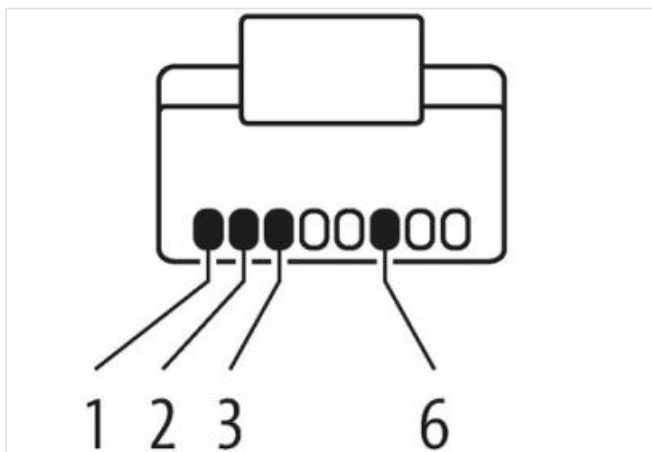
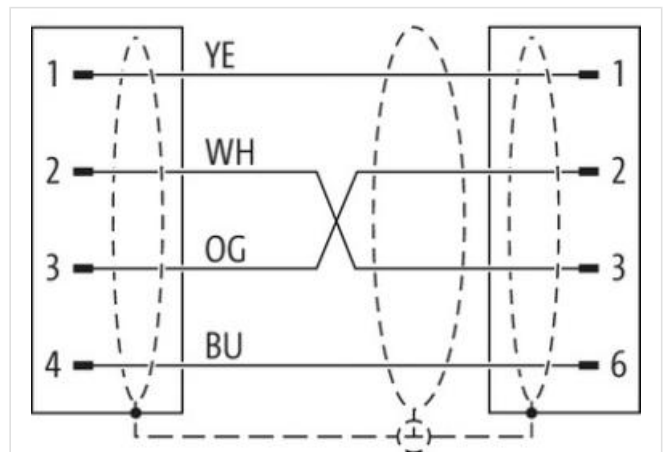
shielded

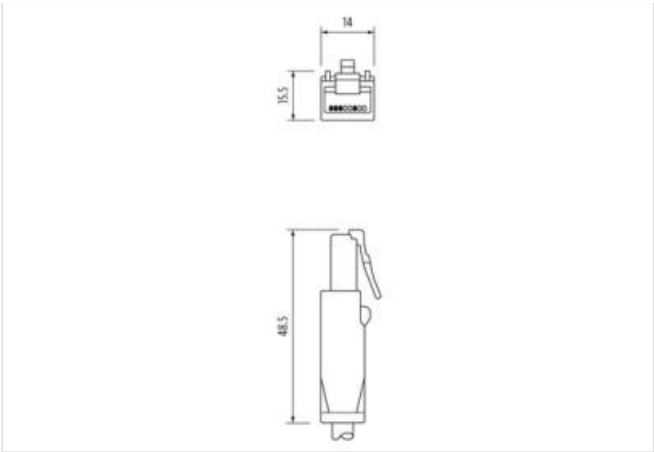
USA

without cable sleeves

Protection cap

Further cable lengths on request.

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



Product may differ from Image



|                                     |                   |
|-------------------------------------|-------------------|
| Cable length                        | 1,5 m             |
| Side 1                              |                   |
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Cable outlet                        | straight          |
| Coding                              | D                 |
| No. of poles                        | 4                 |
| Width across flats                  | SW13              |
| Degree of protection (EN IEC 60529) | IP67              |
| Side 2                              |                   |
| Mounting method                     | pluggable         |
| Family construction form            | RJ45              |
| Cable outlet                        | straight          |
| No. of poles                        | 4                 |
| Degree of protection (EN IEC 60529) | IP20              |
| Commercial data                     |                   |
| 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          |
| customs tariff number               | 85444290          |
| GTIN                                | 4048879668644     |
| Packaging unit                      | 1                 |
| Electrical data   Supply            |                   |
| Operating voltage DC max.           | 60 V              |
| Operating voltage DC (UL-listed)    | 30 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                    |   |
| Pollution Degree                                  | 3   |
| Rated surge voltage                               | 1 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. |
| Conformity  |   |
| Product standard                                  | DIN EN 61076-2-101 (M12)  |
| Installation   Cable                              |   |
| Cable identification                              | S7V   |
| Jacket Color                                      | green   |
| Type of Certificate                               | cURus   |
| Amount stranding                                  | 2   |
| Stranding   | 2 wires twisted   |
| Amount stranding (type 2)                         | 1   |
| Stranding (type 2)                                | 2 Stranded joints twisted   |
| Cable shielding (type)                            | copper braid, tinned  |
| Cable shielding (coverage)                        | 75 %  |
| Banding   | Foil  |
| wire arrangement                                  | (white, blue), (orange, yellow)   |
| Cable weight                                      | 74,8 g/m  |
| Material jacket                                   | TPE   |
| Freedom from ingredients (jacket)                 | lead-free, CFC-free, halogen-free   |
| Outer-diameter (jacket)                           | 7,87 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %   |
| Material wire insulation                          | HDPE  |
| Amount wires                                      | 4   |
| Outer diameter insulation                         | 1,47 mm   |
| Outer diameter tolerance core insulation          | ± 5 %   |
| Ingredient freeness wire insulation               | lead-free, CFC-free, halogen-free   |
| Amount strands (wire)                             | 19  |
| Diameter of single wires                          | 22 AWG  |
| Conductor crosssection (wire)                     | 22 AWG  |
| Material conductor wire                           | copper stranded wire, tinned  |
| Nominal voltage AC max.                           | 600 V   |
| Min. operating temperature (static)               | -40 °C  |
| Max. operating temperature (fixed)                | 80 °C   |
| UV resistance                                     | DIN EN ISO 4892-2 A   |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090   |
| chemical resistance                               | Good, application-related testing   |
| Gasoline resistance                               | Good, application-related testing   |

|                        |  |
|------------------------|--|
| Oil resistance         | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed) | 8 x Outer diameter                                   |
| Travel speed (C-track) | 35 Mio. @ 25 °C                                      |
| No. of torsion cycles  | 5 Mio. 25 °C   |
| Torsion stress         | ± 180 °/m  |