

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

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 2m

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

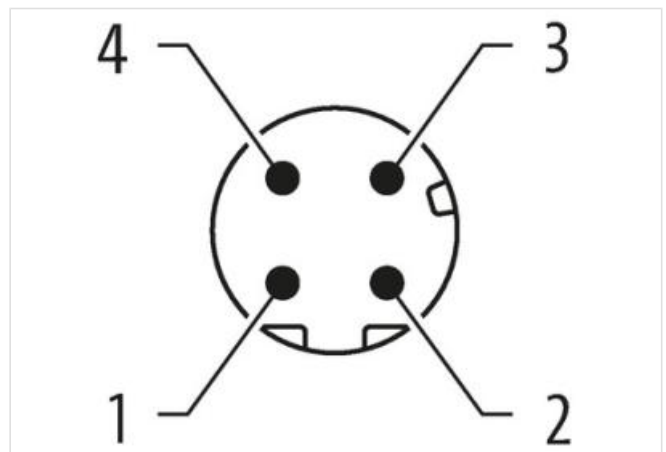
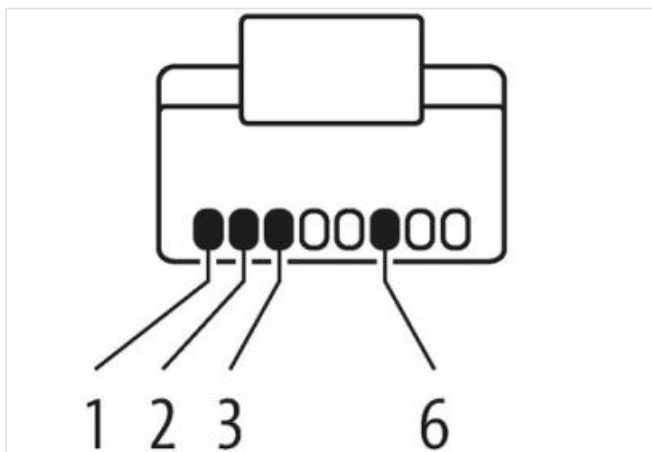
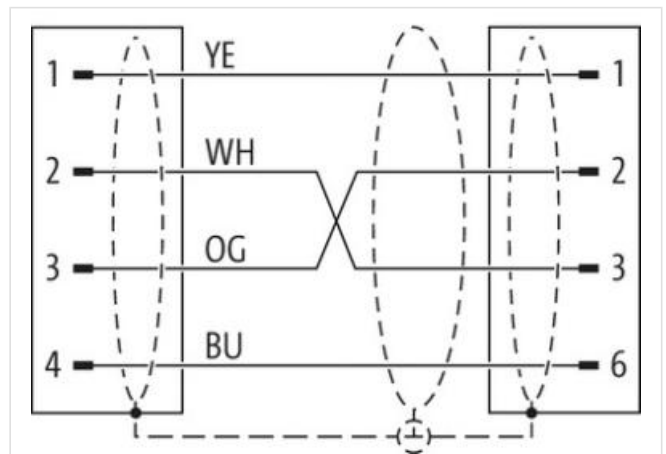
shielded

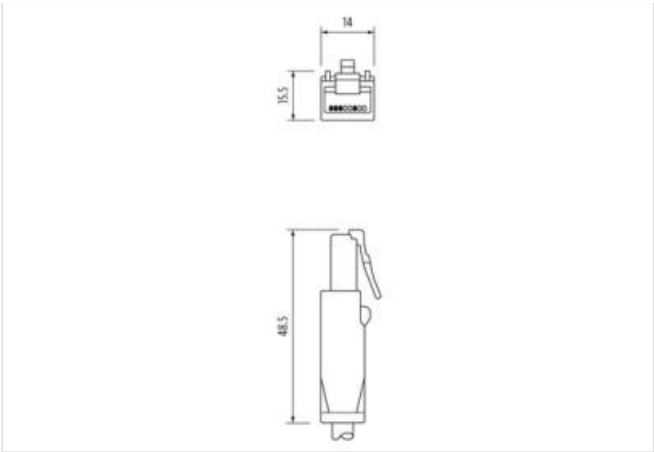
USA

without cable sleeves

Protection cap

Further cable lengths on request.

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



Product may differ from Image



|                                     |                   |
|-------------------------------------|-------------------|
| Cable length                        | 2 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-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               | 85444290          |
| GTIN                                | 4048879668651     |
| 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 **Attention:** 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  |