

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

TPE 4x2x26AWG SF/UTP CAT6a bu UL/CSA. CMR 10m

Ethernet CAT6A

Plastic housings with good resistance against chemicals and oils.

Male straight – male straight

M12 – RJ45, 8-pole

X-coded

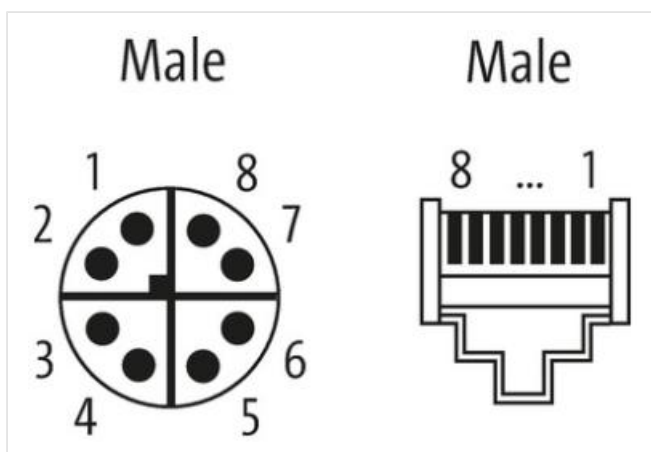
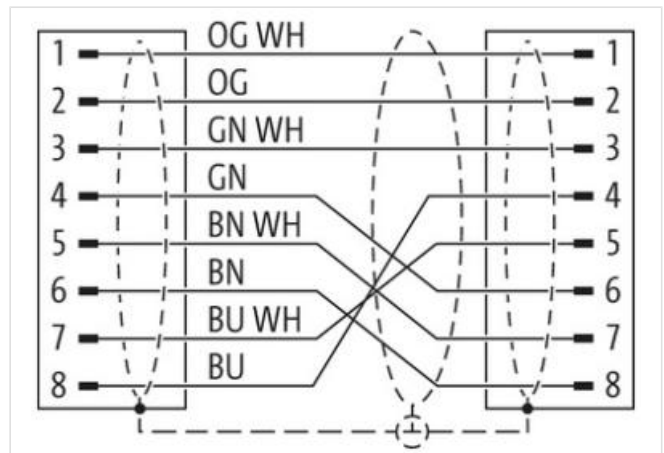
without cable sleeves

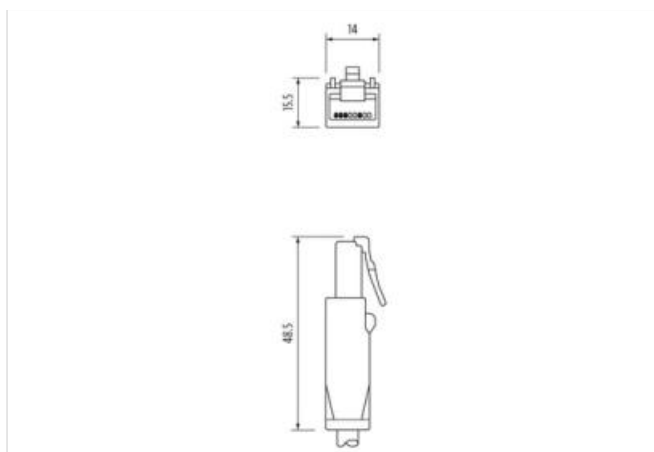
shielded

Protection cap

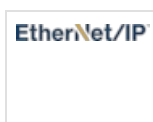
Transmission properties with channel transmission up to 50 m

Further cable lengths on request.

[Linkki tuotteeseen](#)**Kuvat**



Tuote voi erota kuvassa olevasta



Cable length 10 m

#### Side 1

Mounting method inserted, screwing

Family construction form M12

No. of poles 8

#### Side 2

Mounting method inserted, screwing

Family construction form RJ45

No. of poles 8

#### Kaupalliset tiedot

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

GTIN 4048879688215

Pakkauskoko 1

Tullinumero 85444290

#### Electrical data | Supply

Operating voltage DC max. 60 V

#### Industrial communication

Transfer parameters CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)

Data transmission rate max. 10000 MBit/s

#### 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. |
| Installation   Cable                              |   |
| wire arrangement                                  | (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)  |
| Cable identification                              | S4X   |
| Function cable                                    | Data  |
| Jacket Color                                      | blue  |
| Type of Certificate                               | cURus   |
| Amount stranding                                  | 4   |
| Stranding   | 2 wires twisted   |
| Amount stranding (type 2)                         | 1   |
| Stranding (type 2)                                | 4 Stranded joints around Insulation element twisted   |
| Banding   | Foil  |
| Filler  | Insulation element  |
| wire arrangement                                  | (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green)  |
| Cable length max.                                 | 66 m  |
| Cable weight                                      | 65,48 g/m   |
| Material jacket                                   | TPE   |
| Freedom from ingredients (jacket)                 | lead-free, CFC-free   |
| Outer-diameter (jacket)                           | 7,4 mm  |
| Tolerance outer diameter (sheath)                 | ± 5 %   |
| Material wire insulation                          | HDPE  |
| Amount wires                                      | 8   |
| Outer diameter insulation                         | 0,9 mm  |
| Outer diameter tolerance core insulation          | ± 5 %   |
| Ingredient freeness wire insulation               | lead-free, CFC-free   |
| Amount strands (wire)                             | 7   |
| Diameter of single wires                          | 26 AWG  |
| Conductor crosssection (wire)                     | 26 AWG  |
| Material conductor wire                           | copper stranded wire, tinned  |
| Nominal voltage AC max.                           | 600 V   |
| Current load capacity (standard)                  | to DIN VDE 0298-4   |
| Current load capacity min. wire                   | 2 A   |
| Characteristic impedance                          | 100 Ω @ 100 MHz   |
| Electrical resistance line constant wire          | 212 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)                | 1,5 kV @ 2 s  |
| Electrical capacity line constant (wire - wire)   | 84850 pF/km   |
| Power frequency withstand voltage (wire - jacket) | 1,5 kV @ 2 s  |
| Loop resistance                                   | 424 Ω/km  |
| Min. operating temperature (static)               | -40 °C  |
| Max. operating temperature (fixed)                | 80 °C   |
| Operating temperature min. (dynamic)              | -40 °C  |
| Operating temperature max. (dynamic)              | 80 °C   |
| Storage temperature min.                          | -40 °C  |
| Storage temperature max.                          | 80 °C   |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090   |
| chemical resistance                               | Good, application-related testing   |

Tämän tietolomakkeen tiedot on laadittu suurimmalla mahdollisella huolellisuudella.

Vahingonkorvausvastuu koskien tietojen oikeellisuutta, laajuutta ja ajankohtaisuutta kattaa ainoastaan törkeän laiminlyönnin. Versio: 26.06.2024

Murrelektronik Power Oy | Jussilankatu 6 | 15680 Lahti | Fon +358 20 7789810 | Fax +358 20 7789811 | shop@murrelektronik.fi | shop.murrelektronik.fi

|                                 |  |
|---------------------------------|--|
| Gasoline resistance             | Good, application-related testing                    |
| Oil resistance                  | DIN EN 60811-404   Good, application-related testing |
| Bending radius (dynamic)        | 5 x Outer diameter                                   |
| No. of bending cycles (C-track) | 35 Mio. @ 25 °C                                      |
| Traversing distance (C-track)   | 0,6 m @ 25 °C  |
| Travel speed (C-track)          | 1,2 m/s @ 25 °C                                      |
| No. of torsion cycles           | 3 Mio. 25 °C   |
| Torsion stress                  | ± 270 °/m @ 25 °C                                    |
| Torsion speed                   | 60 cycles/min 25 °C                                  |