

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

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 3.5m

Ethernet CAT5

Further cable lengths on request.

Male straight – male straight

M12 – RJ45, 4-pole

D-coded

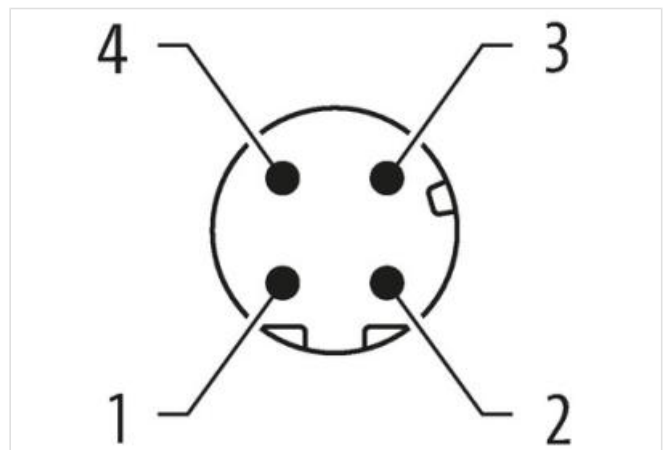
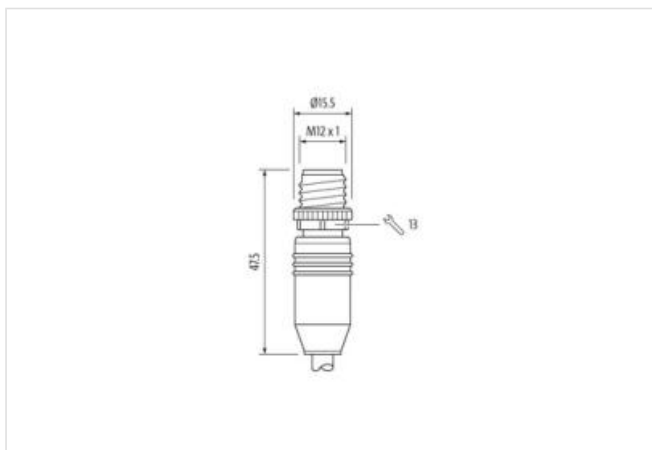
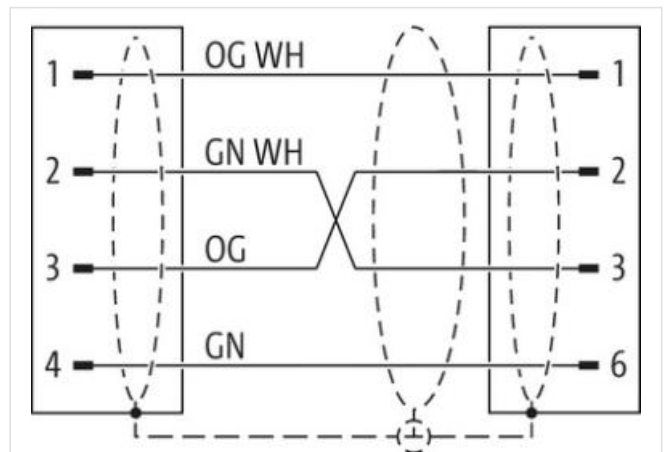
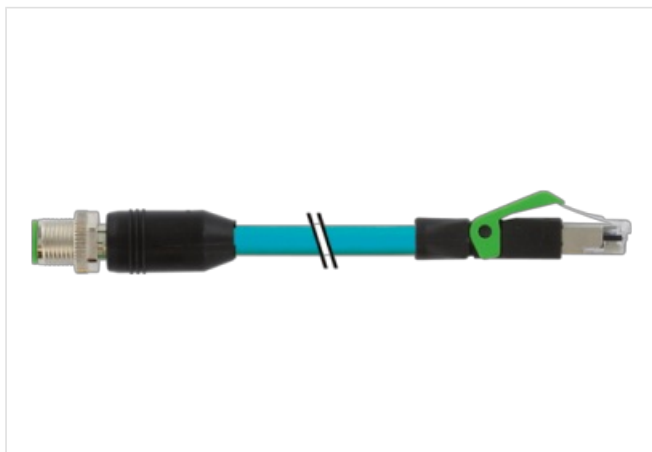
shielded

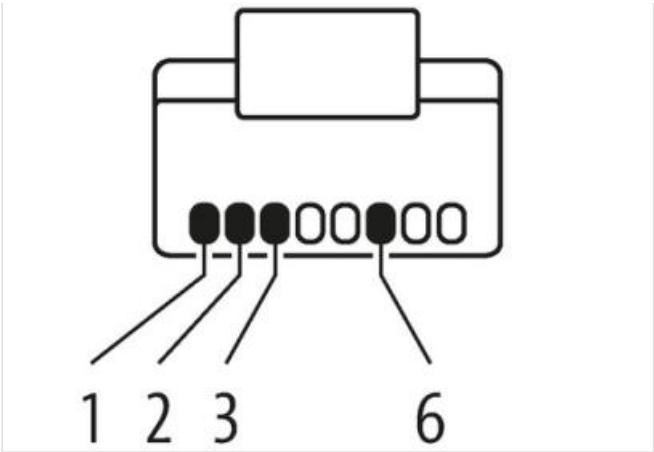
8-pole partly used

USA

without cable sleeves

Cable is approved for 600 V

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



Product may differ from Image



|                                     |                   |
|-------------------------------------|-------------------|
| Cable length                        | 3,5 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-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                                | 4048879769037     |
| Packaging unit                      | 1                 |
| Electrical data   Supply            |                   |
| Operating voltage DC max.           | 60 V              |
| Current operating per contact max.  | 1,5 A             |

|  |   |
|--|---|
| <b>Industrial communication</b>                          |   |
| Transfer parameters                                      | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  |
| Data transmission rate max.                              | 100 MBit/s  |
| <b>Industrial communication   Ethernet functionality</b> |   |
| duplex   | Full duplex   |
| <b>Device protection   Electrical</b>                    |   |
| Pollution Degree   | 3   |
| Rated surge voltage                                      | 1 kV  |
| Material group (IEC 60664-1)                             | I   |
| <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>Conformity</b>  |   |
| Product standard   | DIN EN 61076-2-101 (M12)  |
| <b>Installation   Cable</b>                              |   |
| Cable identification                                     | S4U   |
| Jacket Color   | teal  |
| Type of Certificate                                      | cURus   |
| Amount stranding   | 2   |
| Stranding  | 2 wires twisted   |
| Stranding (type 2)                                       | 2 Stranded joints twisted   |
| Cable shielding (type)                                   | Metal fleece  |
| Cable shielding (coverage)                               | 75 %  |
| Banding  | Fleece  |
| wire arrangement   | (orange-white, orange), (green-white, green)  |
| Cable weight   | 55,66 g/m   |
| Material jacket  | TPE   |
| Freedom from ingredients (jacket)                        | lead-free, CFC-free   |
| Outer-diameter (jacket)                                  | 6,6 mm  |
| Tolerance outer diameter (sheath)                        | ± 5 %   |
| Material wire insulation                                 | HDPE  |
| Amount wires   | 4   |
| Outer diameter insulation                                | 1,25 mm   |
| Outer diameter tolerance core insulation                 | ± 5 %   |
| Shore hardness wire insulation                           | 65 ± 3 Shore D  |
| Ingredient freeness wire insulation                      | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
| Amount strands (wire)                                    | 7   |
| Diameter of single wires                                 | 22 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                          | 4,8 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 (installation)                     | x Outer diameter                                     |
| Bending radius (fixed)                            | 7 x Outer diameter                                   |
| Bending radius (dynamic)                          | 12 x Outer diameter                                  |