

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

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 6m

Ethernet CAT5

Further cable lengths on request.

Flange female straight – male straight

M12 – RJ45, 4-pole

D-coded

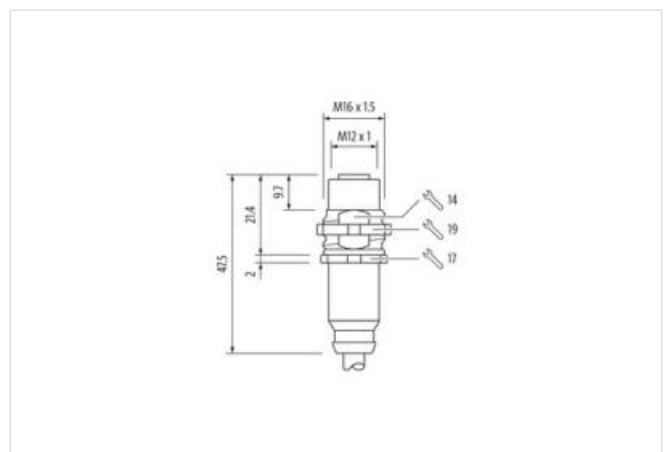
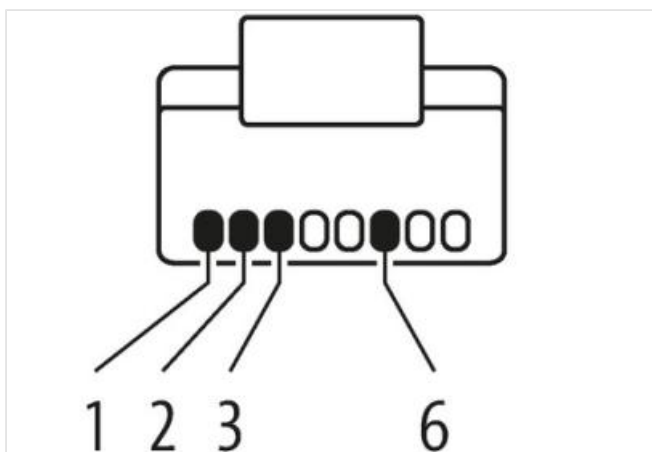
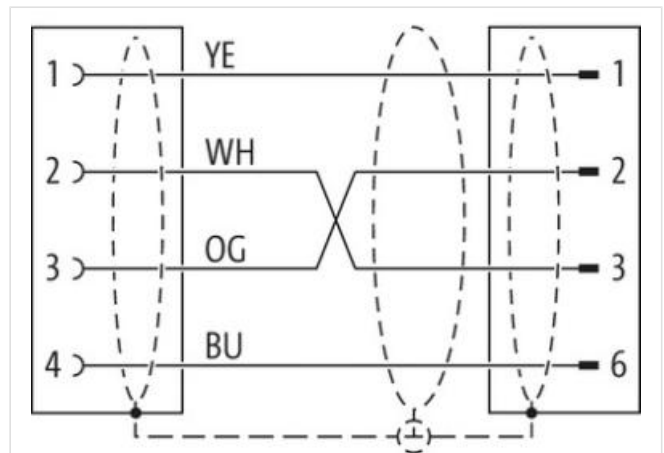
shielded

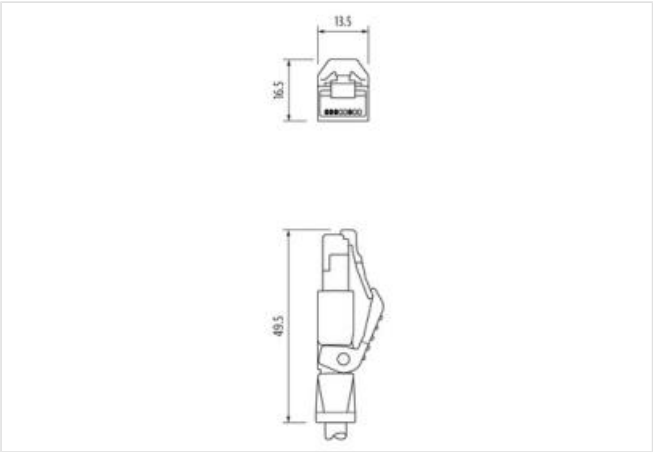
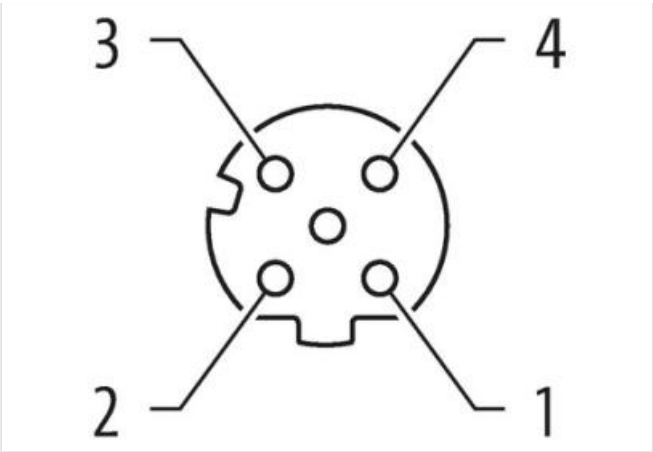
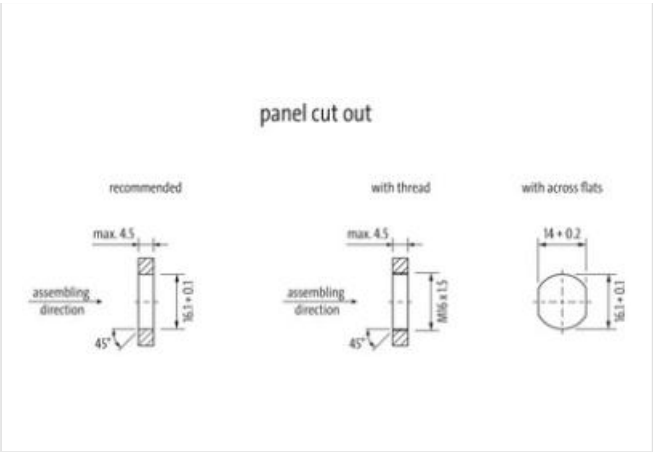
8-pole partly used

Rear mounting

USA

Cable is approved for 600 V

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



Product may differ from Image



Cable length 6 m

Side 1

|                                           |       |
|-------------------------------------------|-------|
| Family construction form                  | M12   |
| suitable for corrugated tube (internal Ø) | 10 mm |
| Coding                                    | D     |
| No. of poles                              | 4     |
| Degree of protection (EN IEC 60529)       | IP67  |

Side 2

|                                     |           |
|-------------------------------------|-----------|
| Mounting method                     | pluggable |
| Family construction form            | RJ45      |
| No. of poles                        | 4         |
| Degree of protection (EN IEC 60529) | IP20      |

Commercial data

|            |          |
|------------|----------|
| ECLASS-6.0 | 27279220 |
| ECLASS-6.1 | 27279220 |
| ECLASS-7.0 | 27440103 |
| ECLASS-8.0 | 27440103 |

|                       |               |
|-----------------------|---------------|
| ECLASS-9.0            | 27440103      |
| ECLASS-10.1           | 27440103      |
| ECLASS-11.1           | 27440103      |
| ECLASS-12.0           | 27440103      |
| ETIM-5.0              | EC002599      |
| customs tariff number | 85444290      |
| GTIN                  | 4048879883146 |
| Packaging unit        | 1             |

#### Electrical data | Supply

|                                    |       |
|------------------------------------|-------|
| Operating voltage DC max.          | 60 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

|                              |          |
|------------------------------|----------|
| Protection NEMA              | 3, 4, 6P |
| Pollution Degree             | 3        |
| Rated surge voltage          | 1 kV     |
| Material group (IEC 60664-1) | I        |

#### Mechanical data | Material data

|                  |               |
|------------------|---------------|
| Coating locking  | nickel plated |
| Locking material | Brass         |

#### 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              | 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                                            |