

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

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 0.3m

USA

Further cable lengths on request.

Ethernet CAT5

Flange female straight – male straight

M12 – RJ45, 4-pole

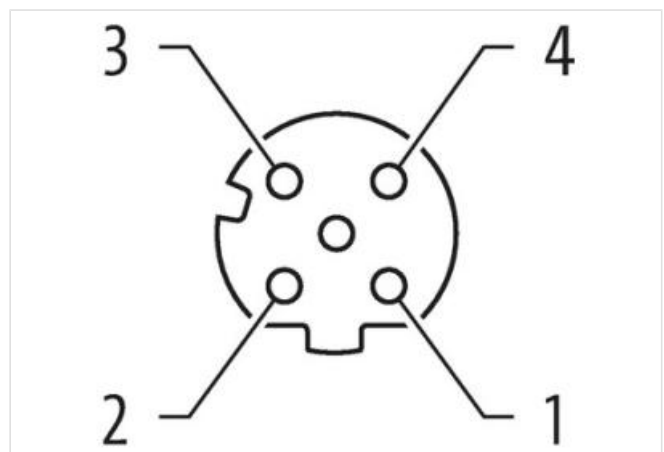
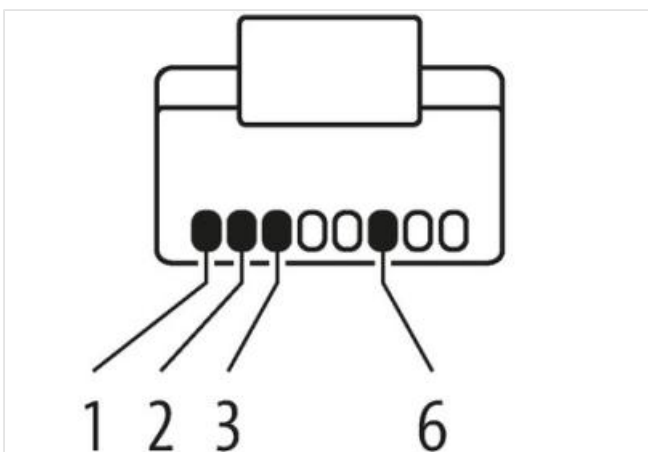
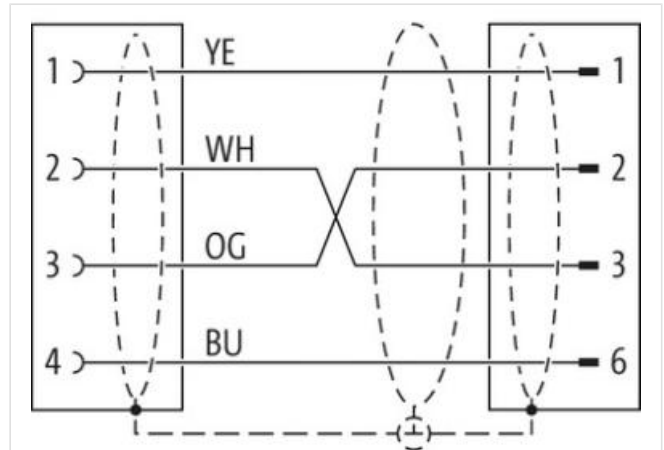
D-coded

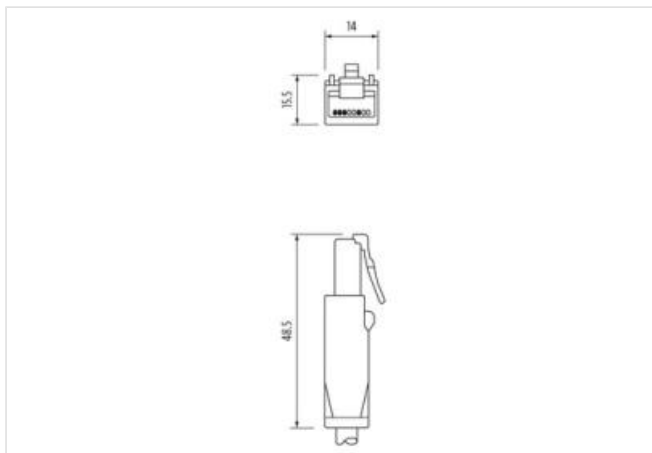
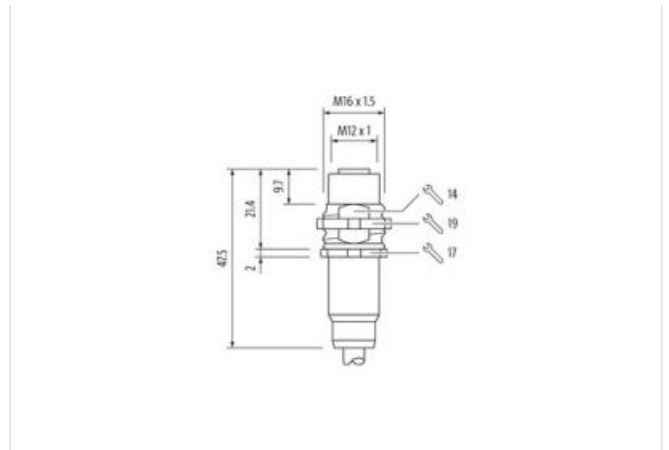
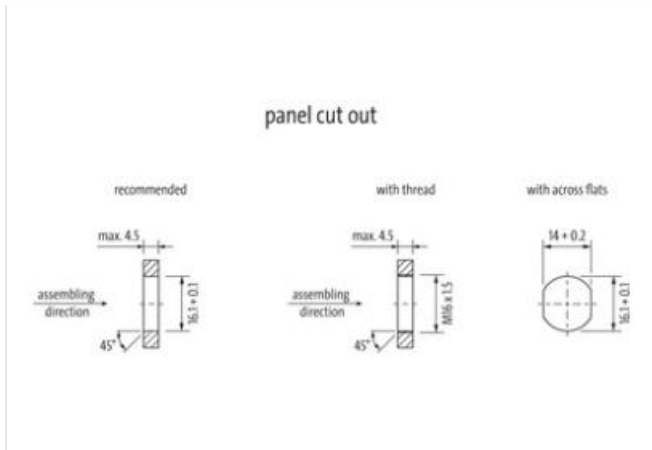
shielded

Rear mounting

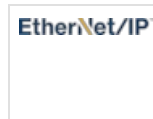
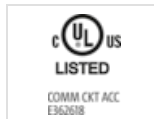
Protection cap

Cable is approved for 600 V

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



Product may differ from Image



Cable length 0,3 m

**Side 1**

|                                     |                   |
|-------------------------------------|-------------------|
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| 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                  | 4048879678308 |
| 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 |
|--------|-------------|

**Installation | Connection**

|                    |      |
|--------------------|------|
| Width across flats | SW19 |
|--------------------|------|

**Device protection | Electrical**

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

**Mechanical data**

|                             |         |
|-----------------------------|---------|
| Contour for corrugated hose | without |
|-----------------------------|---------|

**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**

|                            |                                 |
|----------------------------|---------------------------------|
| wire arrangement           | (white, blue), (orange, yellow) |
| 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                                   |
| No. of bending cycles (C-track)          | 35 Mio. @ 25 °C                                      |
| No. of torsion cycles                    | 5 Mio. 25 °C   |
| Torsion stress                           | ± 180 °/m  |