

**M12 male 90° D-cod. / RJ45 0° shielded**

TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 3m

Ethernet CAT5

Plastic housings with good resistance against chemicals and oils.

Male 90° – male straight

M12 – RJ45, 4-pole

D-coded

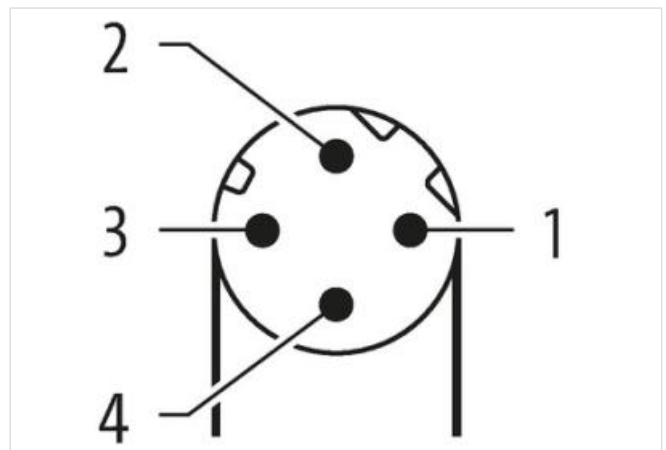
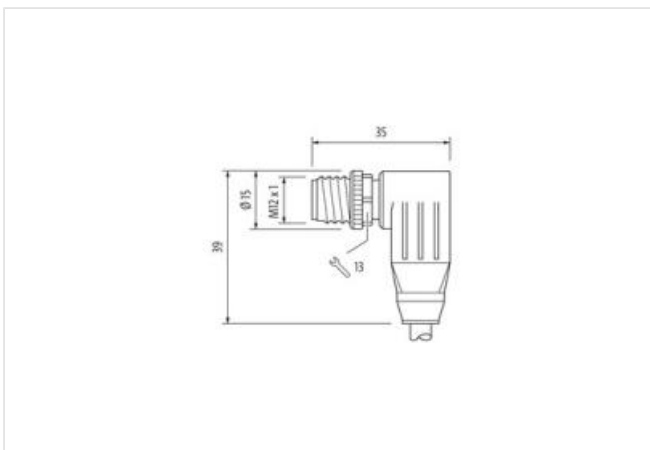
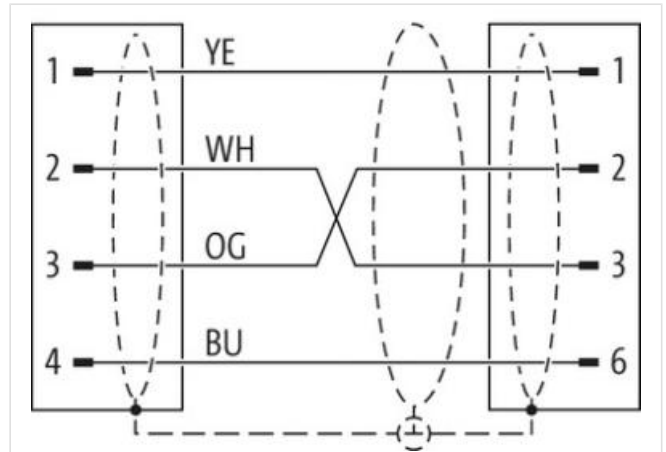
shielded

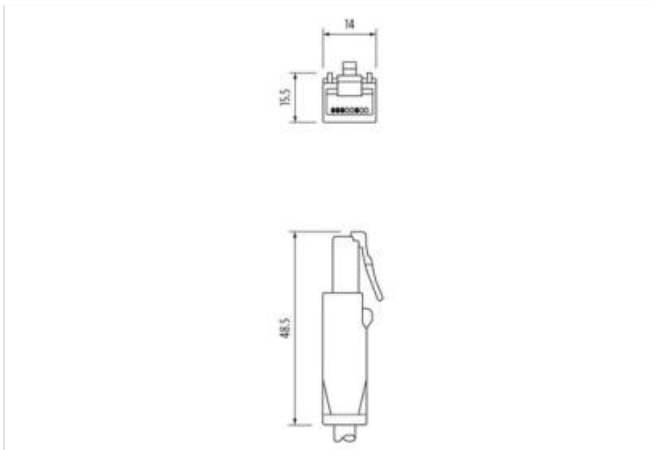
USA

without cable sleeves

Protection cap

Further cable lengths on request.

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



Product may differ from Image



Cable length 3 m

**Side 1**

|                                     |                   |
|-------------------------------------|-------------------|
| Tightening torque                   | 0,6 Nm            |
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Cable outlet                        | angled            |
| 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-7.0            | 27061801      |
| ECLASS-8.0            | 27061801      |
| ECLASS-9.0            | 27061801      |
| ECLASS-10.1           | 27060307      |
| ECLASS-11.1           | 27060307      |
| ECLASS-12.0           | 27060307      |
| ETIM-5.0              | EC002599      |
| customs tariff number | 85444290      |
| GTIN                  | 4048879668552 |
| 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                    |                                                                                                                                                       |
| Additional condition protection degree            | inserted, screwed                                                                                                                                     |
| 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                   |                                                                                                                                                       |
| Locking screw coating                             | Nickel                                                                                                                                                |
| Locking material screw                            | Zinc die-casting                                                                                                                                      |
| 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. |
| Conformity                                        |                                                                                                                                                       |
| Product standard                                  | DIN EN 61076-2-101 (M12)                                                                                                                              |
| 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                                                                                                                                   |
| 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                                                                                                                                   |
| 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                                                |
| Current load capacity (standard)         | to DIN VDE 0298-4                                    |
| Current load capacity min. wire          | 4,8 A                                                |
| Electrical resistance line constant wire | 45,1 $\Omega$ /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                    |
| Gasoline resistance                      | Good, application-related testing                    |
| Oil resistance                           | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (dynamic)                 | 2 x Outer diameter                                   |
| No. of bending cycles (C-track)          | 35 Mio.                                              |
| No. of torsion cycles                    | 5 Mio.                                               |
| Torsion stress                           | $\pm$ 180 °/m                                        |