

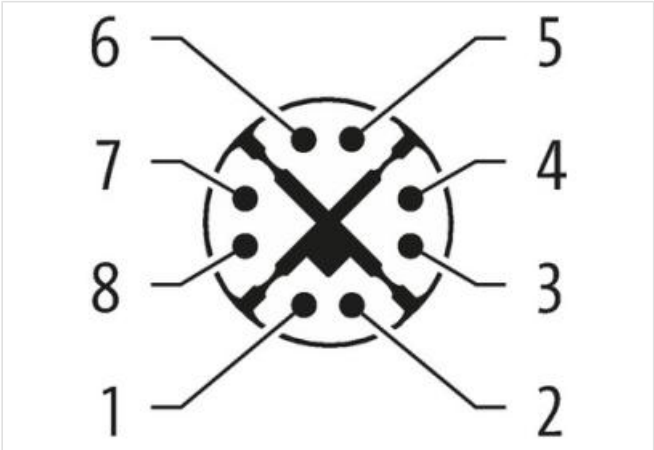
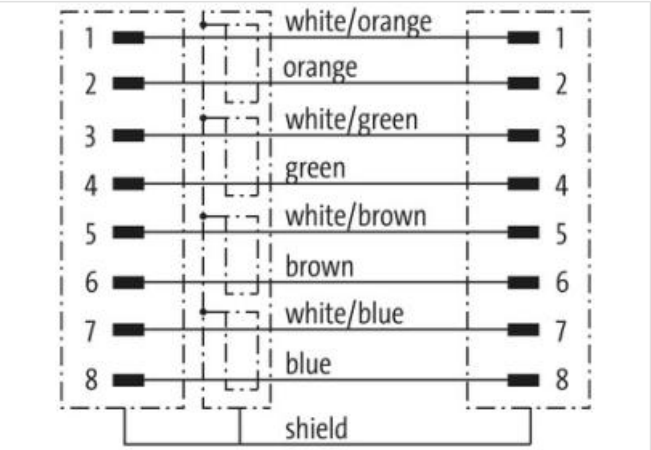
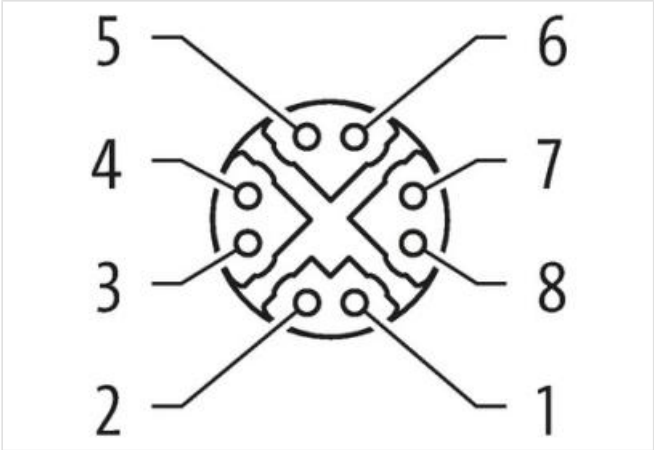
M12 male 0° / M12 male 0° X-cod. shielded

PUR 4x2xAWG24 shielded gn UL+drag ch. 0.3m

Male straight – male straight  
M12 – M12, 8-pole  
X-coded  
Shielded  
with cable sleeves  
maximum length for channel transmission corresponds to 45m  
Good chemical and oil resistance (oil resistance does not apply to use with PVC cable)  
The resistance to aggressive media should be individually tested for your application. Further details on request.  
Further cable lengths on request.

Link to Product

Illustration



Product may differ from Image

Cable length 0,3 m

|                   |                   |
|-------------------|-------------------|
| Side 1            |                   |
| Tightening torque | 0,6 Nm            |
| Mounting method   | inserted, screwed |
| Coating contact   | gold plated       |

|   |              |
|---|--------------|
| Family construction form                  | M12          |
| Thread                                    | M12 x 1      |
| suitable for corrugated tube (internal Ø) | 12 mm        |
| Cable outlet                              | straight     |
| Coding                                    | X            |
| Material contact                          | Copper alloy |
| No. of poles                              | 8            |
| Width across flats                        | SW13         |
| Degree of protection (EN IEC 60529)       | IP65, IP67   |

**Side 2**

|   |                   |
|---|-------------------|
| Tightening torque                         | 0,6 Nm            |
| Mounting method                           | inserted, screwed |
| Coating contact                           | gold plated       |
| Family construction form                  | M12               |
| Thread                                    | M12 x 1           |
| suitable for corrugated tube (internal Ø) | 12 mm             |
| Cable outlet                              | straight          |
| Coding                                    | X                 |
| Material contact                          | Copper alloy      |
| No. of poles                              | 8                 |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP65, IP67        |

**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              | EC001855      |
| customs tariff number | 85444290      |
| GTIN                  | 4048879861472 |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                           |       |
|---------------------------|-------|
| Operating voltage AC max. | 50 V  |
| Operating voltage DC max. | 60 V  |
| Operating current max.    | 0,5 A |

**Industrial communication**

|                             |           |
|-----------------------------|-----------|
| Transfer parameters         | CAT6A     |
| Data transmission rate max. | 10 GBit/s |

**Device protection | Electrical**

|                              |        |
|------------------------------|--------|
| Pollution Degree             | 3      |
| Rated surge voltage          | 1,5 kV |
| Material group (IEC 60664-1) | I      |

**Mechanical data | Material data**

|                  |                  |
|------------------|------------------|
| Coating locking  | nickel plated    |
| Locking material | Zinc die-casting |

**Environmental characteristics | Climatic**

|                            |        |
|----------------------------|--------|
| 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 61076-2-109 (M12)  |
| <b>Installation   Cable</b>                       |   |
| Cable identification                              | 826   |
| Jacket Color                                      | green   |
| Type of Certificate                               | cURus   |
| Amount stranding                                  | 4   |
| Stranding   | 2 wires twisted   |
| Stranding (type 2)                                | 4 Stranded joints around Insulation element twisted   |
| Cable shielding (type)                            | copper braid, tinned  |
| Cable shielding (coverage)                        | 85 %  |
| Banding   | Fleece, Foil  |
| Filler  | Insulation element  |
| wire arrangement                                  | (blue-white, blue), (brown-white, brown), (green-white, green), (orange-white, orange)  |
| Cable weight                                      | 116,6 g/m   |
| Material jacket                                   | PUR   |
| Shore hardness jacket                             | 90 Shore A  |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
| Outer-diameter (jacket)                           | 8,9 mm  |
| Tolerance outer diameter (sheath)                 | ± 5 %   |
| Material inner jacket                             | TPE-V   |
| Color (inner jacket)                              | natur   |
| Material wire insulation                          | PP  |
| Amount wires                                      | 8   |
| Outer diameter insulation                         | 1,05 mm   |
| Outer diameter tolerance core insulation          | ± 5 %   |
| Shore hardness wire insulation                    | 61 Shore D  |
| Amount strands (wire)                             | 7   |
| Diameter of single wires                          | 24 AWG  |
| Conductor crosssection (wire)                     | 24 AWG  |
| Material conductor wire                           | Stranded copper wire, bare  |
| Traversing distance (C-track)                     | 5 m @ 25 °C   |
| Nominal voltage AC max.                           | 300 V   |
| Current load capacity (standard)                  | to DIN VDE 0298-4   |
| Current load capacity min. wire                   | 3 A   |
| Characteristic impedance                          | 100 Ω ± 15 % MHz  |
| Electrical resistance line constant wire          | 87,6 Ω/km @ 20 °C   |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s   |
| Electrical capacity line constant (wire - wire)   | 52000 pF/km   |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s   |
| AC withstand voltage (wire - shield)              | 2 kV @ 60 s   |
| Min. operating temperature (static)               | -40 °C  |
| Max. operating temperature (fixed)                | 80 °C   |
| Operating temperature min. (dynamic)              | -20 °C  |
| Operating temperature max. (dynamic)              | 70 °C   |
| Flame resistance                                  | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2   |

|                          |  |
|--------------------------|--|
| 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                                   |
| Bending radius (dynamic) | 15 x Outer diameter                                  |
| Travel speed (C-track)   | 2 Mio. @ 25 °C                                       |
| No. of torsion cycles    | 1 Mio.   |
| Torsion stress           | ± 180 °/m  |