

**M12 male 90° / M12 female 0° A-cod.**

TPE 3x22AWG ye UL/CSA. ITC/PLTC 0.3m

Male 90° – female straight

M12 – M12, 3-pole

USA

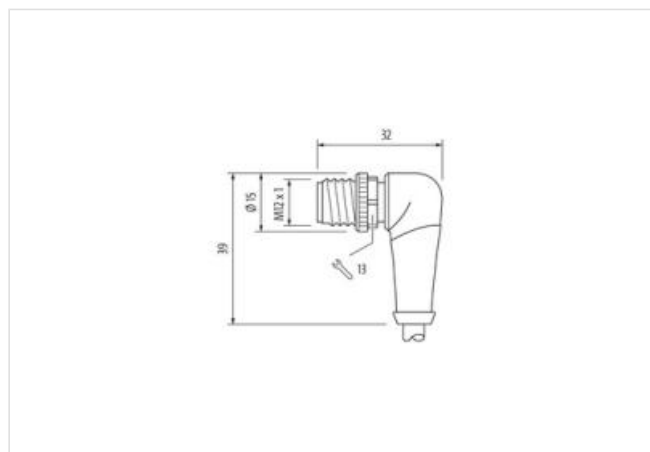
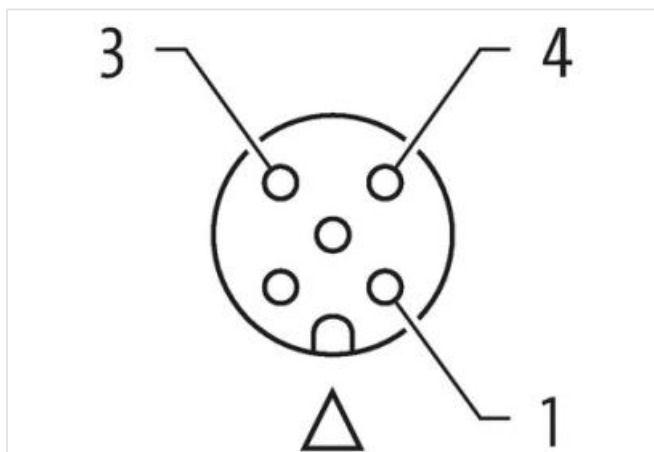
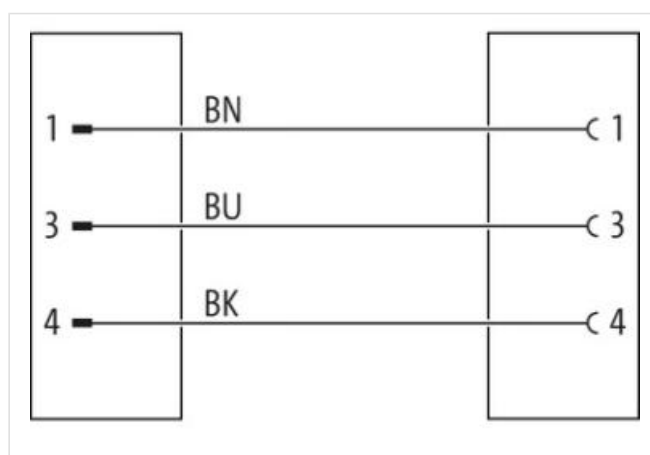
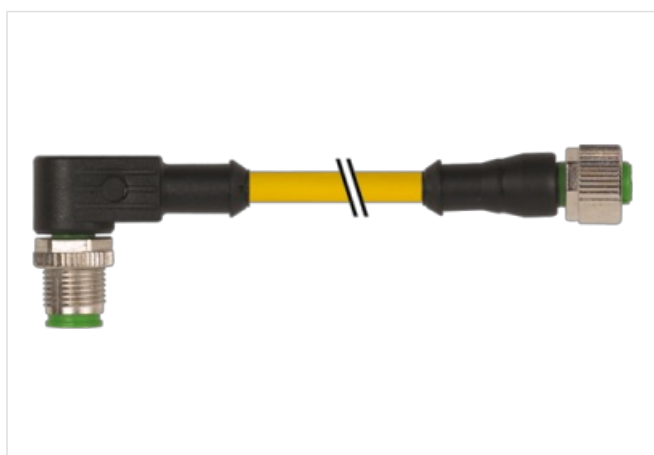
Plastic housings with good resistance against chemicals and oils.

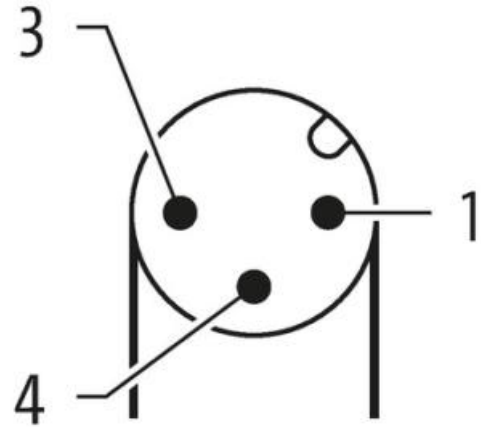
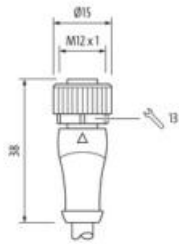
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

**Länk till produkt**

**Illustration**





Produkten kan skilja sig från bilden



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) | 10 mm             |
| Cable outlet                              | angled            |
| Coding                                    | A                 |
| Material contact                          | Copper alloy      |
| No. of poles                              | 3                 |
| Width across flats                        | SW13              |

#### 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) | 10 mm             |
| Cable outlet                              | straight          |
| Coding                                    | A                 |
| Material contact                          | Copper alloy      |
| No. of poles                              | 3                 |
| Width across flats                        | SW13              |

#### Kommersiella uppgifter

|             |          |
|-------------|----------|
| ECLASS-6.0  | 27279218 |
| ECLASS-7.0  | 27279218 |
| ECLASS-8.0  | 27279218 |
| ECLASS-9.0  | 27060311 |
| ECLASS-10.1 | 27060311 |
| ECLASS-11.1 | 27060311 |
| ECLASS-12.0 | 27060311 |

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| ETIM-5.0                                        | EC001855                                                                                                                                              |
| Förpackningsenhet                               | 1                                                                                                                                                     |
| GTIN                                            | 4048879749749                                                                                                                                         |
| Kundens tullnummer                              | 85444290                                                                                                                                              |
| <b>Electrical data   Supply</b>                 |                                                                                                                                                       |
| Operating voltage AC max.                       | 250 V                                                                                                                                                 |
| Operating voltage DC max.                       | 250 V                                                                                                                                                 |
| Operating voltage AC (UL-listed)                | 30 V                                                                                                                                                  |
| Operating voltage DC (UL-listed)                | 30 V                                                                                                                                                  |
| Current operating per contact max.              | 4 A                                                                                                                                                   |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Degree of protection (EN IEC 60529)             | IP65, IP67, IP66K                                                                                                                                     |
| Additional condition protection degree          | inserted, screwed                                                                                                                                     |
| Pollution Degree                                | 3                                                                                                                                                     |
| Rated surge voltage                             | 2,5 kV                                                                                                                                                |
| Material group (IEC 60664-1)                    | I                                                                                                                                                     |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                       |
| Coating locking                                 | Nickeled                                                                                                                                              |
| Locking material                                | Zinc die-casting                                                                                                                                      |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Mounting method                                 | inserted, screwed, Shaking protection                                                                                                                 |
| <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                            | U03                                                                                                                                                   |
| Jacket Color                                    | yellow                                                                                                                                                |
| Type of Certificate                             | cURus                                                                                                                                                 |
| Amount stranding                                | 1                                                                                                                                                     |
| Stranding                                       | 3 wires twisted                                                                                                                                       |
| wire arrangement                                | brown, black, blue                                                                                                                                    |
| Cable weight                                    | 35,97 g/m                                                                                                                                             |
| Material jacket                                 | TPE                                                                                                                                                   |
| Freedom from ingredients (jacket)               | lead-free, CFC-free, halogen-free                                                                                                                     |
| Outer-diameter (jacket)                         | 4,9 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)               | ± 5 %                                                                                                                                                 |
| Material wire insulation                        | PVC                                                                                                                                                   |
| Amount wires                                    | 3                                                                                                                                                     |
| Outer diameter insulation                       | 1,27 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                           | Stranded copper wire, bare                           |
| Nominal voltage AC max.                           | 300 V                                                |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 6 A                                                  |
| Electrical resistance line constant wire          | 46,9 $\Omega$ /km @ 20 °C                            |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                          |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                          |
| Min. operating temperature (static)               | -40 °C                                               |
| Max. operating temperature (fixed)                | 105 °C                                               |
| Operating temperature min. (dynamic)              | -20 °C                                               |
| Operating temperature max. (dynamic)              | 90 °C                                                |
| Flame resistance                                  | UL 1581 § 1090   UL 1581 § 1100 FT2   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 (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |
| Travel speed (C-track)                            | 10 Mio.                                              |
| No. of torsion cycles                             | 3 Mio.                                               |
| Torsion stress                                    | $\pm 180$ °/m                                        |