

**T-coupler M12 M 0° / 2x M12 F 0° with cable**

PUR 4x0.34 bk UL/CSA+robot+drag chain 0.6m

Customized printing and packaging

T-coupler

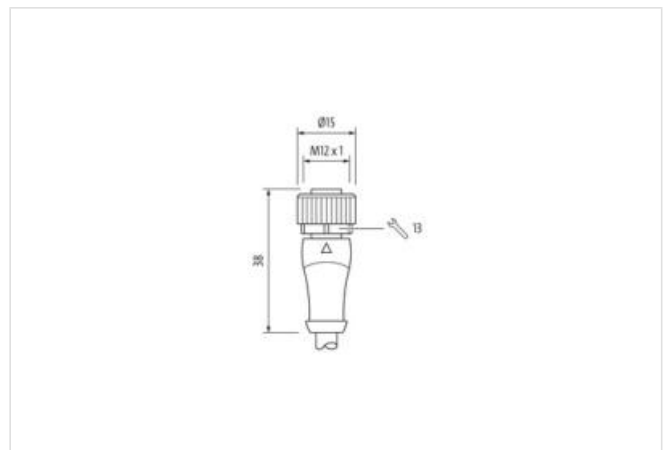
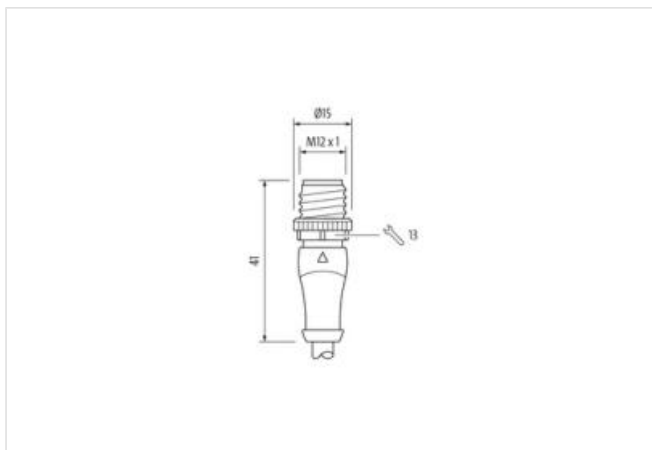
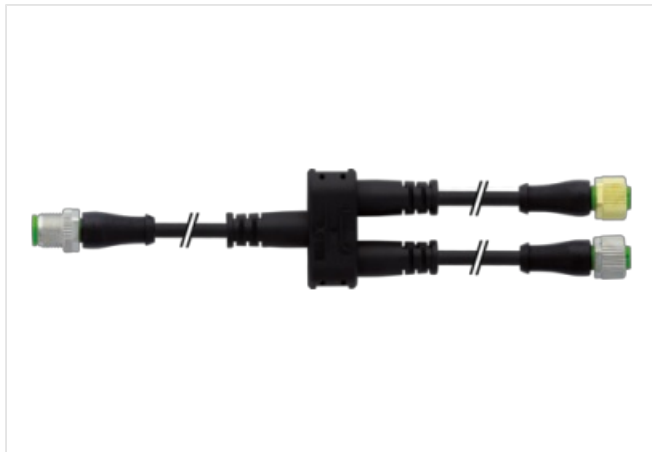
Male straight – females straight

M12 – M12

4-pole – 3-pole

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.

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



Product may differ from Image



|   |                   |
|---|-------------------|
| Cable length                              | 0,6 m             |
| Side 1                                    |                   |
| Tightening torque                         | 0,6 Nm            |
| Mounting method                           | inserted, screwed |
| Family construction form                  | M12               |
| Thread                                    | M12 x 1           |
| suitable for corrugated tube (internal Ø) | 10 mm             |
| Coding                                    | A                 |
| Width across flats                        | SW13              |
| Side 2                                    |                   |
| Tightening torque                         | 0,6 Nm            |
| Mounting method                           | inserted, screwed |
| Family construction form                  | M12               |
| Thread                                    | M12 x 1           |
| Coding                                    | A                 |
| Side 3                                    |                   |
| Mounting method                           | inserted, screwed |
| Family construction form                  | M12               |
| Coding                                    | A                 |
| Commercial data                           |                   |
| ECLASS-6.0                                | 27279218          |
| ECLASS-7.0                                | 27279218          |
| ECLASS-8.0                                | 27279218          |
| ECLASS-9.0                                | 27060311          |
| ECLASS-10.1                               | 27060313          |
| ECLASS-11.1                               | 27060313          |
| ECLASS-12.0                               | 27060313          |
| ETIM-5.0                                  | EC001855          |
| customs tariff number                     | 85444290          |
| GTIN                                      | 4048879838047     |
| Packaging unit                            | 10                |
| Electrical data   Supply                  |                   |

|   |  |
|---|--|
| Operating voltage AC max.                         | 50 V   |
| Operating voltage DC max.                         | 60 V   |
| Current operating per contact max.                | 4 A  |
| <b>Device protection   Electrical</b>             |  |
| Degree of protection (EN IEC 60529)               | IP65, IP67, IP68, IP66K  |
| Additional condition protection degree            | inserted, screwed  |
| Pollution Degree                                  | 3  |
| Rated surge voltage                               | 1,5 kV   |
| Material group (IEC 60664-1)                      | I  |
| <b>Mechanical data   Material data</b>            |  |
| Coating locking                                   | safe-cover coated  |
| 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>Installation   Cable</b>                       |  |
| wire arrangement                                  | brown, black, blue, white                                      |
| Cable identification                              | 654  |
| Cable Type  | 5  |
| Jacket Color                                      | black  |
| Type of Certificate                               | cURus  |
| Amount stranding                                  | 1  |
| Stranding   | 4 wires twisted  |
| wire arrangement                                  | brown, black, blue, white                                      |
| Cable weight                                      | 36,3 g/m   |
| Material jacket                                   | PUR  |
| Shore hardness jacket                             | 58 ± 3 Shore D   |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 4,7 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %  |
| Material wire insulation                          | PP   |
| Amount wires                                      | 4  |
| Outer diameter insulation                         | 1,25 mm  |
| Outer diameter tolerance core insulation          | ± 5 %  |
| Shore hardness wire insulation                    | 74 ± 3 Shore D   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                             | 42   |
| Diameter of single wires                          | 0,1 mm   |
| Conductor crosssection (wire)                     | 0,34 mm²   |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Conductor type (wire)                             | strand class 6   |
| 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          | 60 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)                | 2,5 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2,5 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |

|                                      |  |
|--------------------------------------|--|
| Max. operating temperature (fixed)   | 80 °C / 90 °C @ 10000 h Operation                    |
| Operating temperature min. (dynamic) | -25 °C   |
| Operating temperature max. (dynamic) | 80 °C / 90 °C @ 10000 h Operation                    |
| UV resistance                        | DIN EN ISO 4892-2 A                                  |
| Flame resistance                     | UL 1581 § 1100 FT2   IEC 60332-2-2   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)               | 5 x Outer diameter                                   |
| Bending radius (dynamic)             | 10 x Outer diameter                                  |
| No. of bending cycles (C-track)      | 10 Mio. @ 25 °C                                      |
| Traversing distance (C-track)        | 5 m @ 25 °C   horizontal                             |
| Travel speed (C-track)               | 3,3 m/s @ 25 °C                                      |
| No. of torsion cycles                | 1 Mio.   |
| Torsion stress                       | ± 360 °/m  |
| Torsion speed                        | 35 cycles/min  |