

**M12 male 0° / M8 female 0° A-cod.**

TPE 3x22AWG ye UL/CSA. ITC/PLTC 2m

Art.No.: 7700-40561-U030200

Weight: 0.067 kg

Country of origin: US

Model designation: MSFL0-A-RU03\_2.0

Male straight – female straight

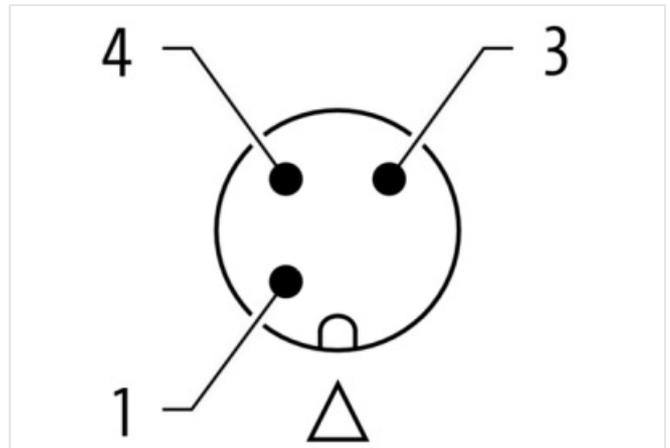
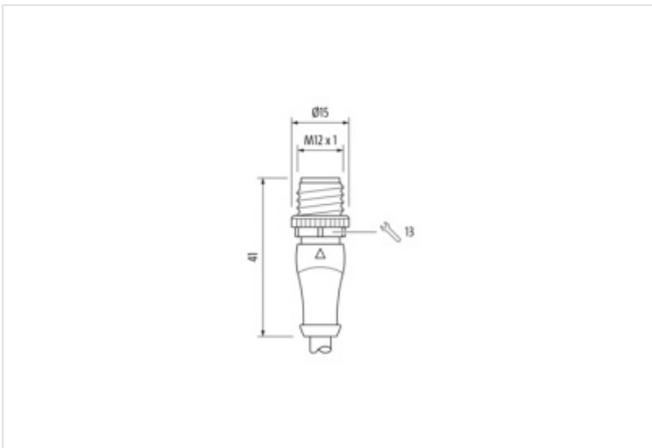
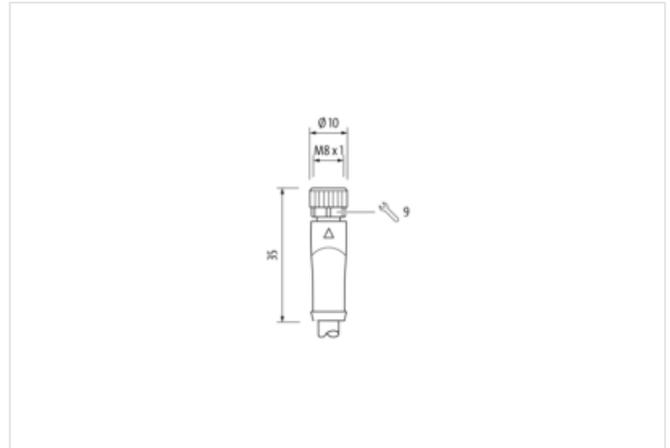
M12 – M8, 3-pole

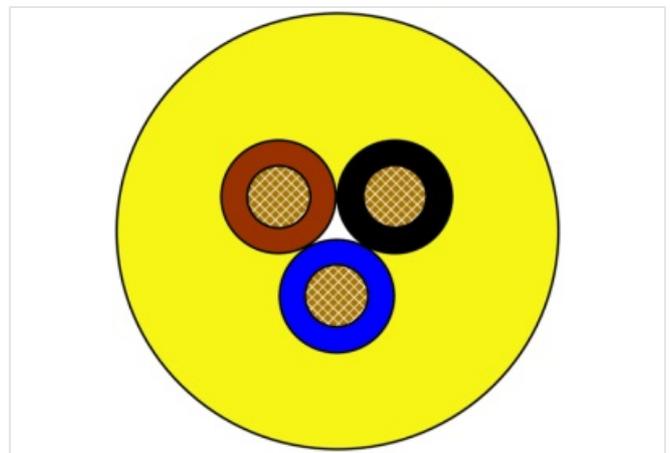
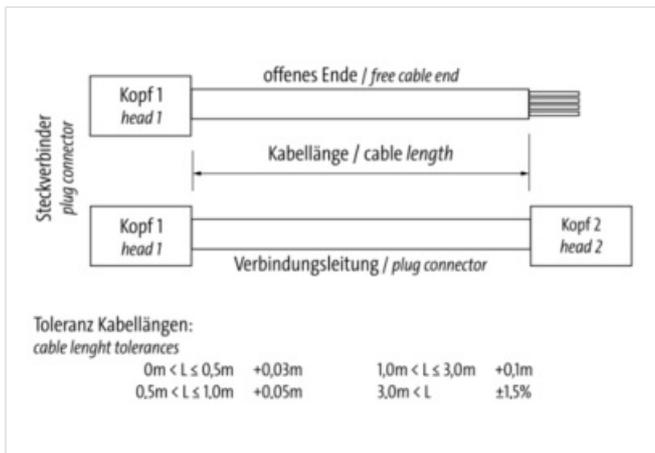
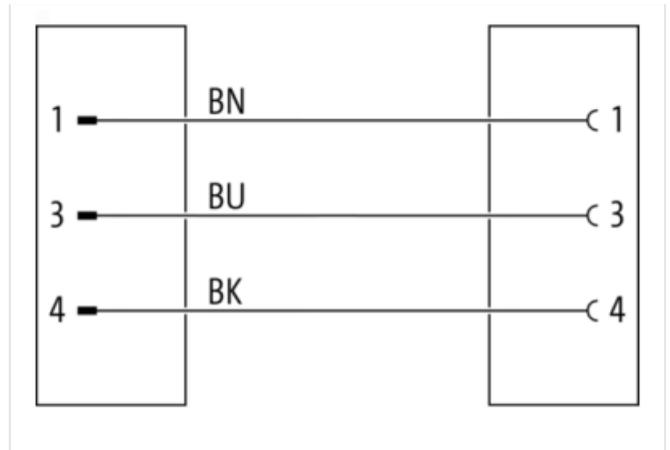
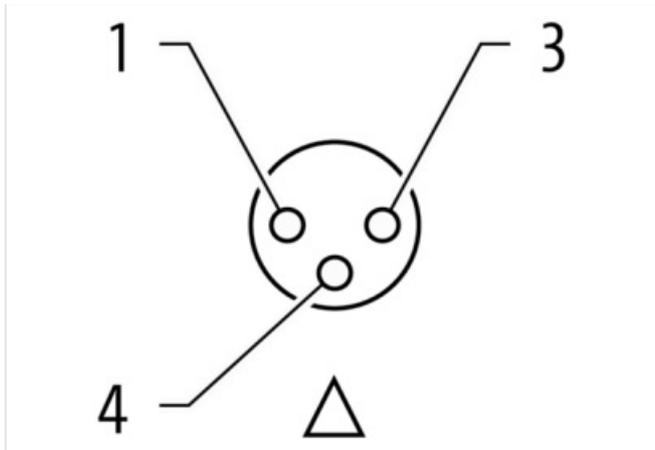
USA

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.

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



Product may differ from Image



Cable length 2,00 m

| Side 1                                    |                   |
|---|-------------------|
| Family construction form                  | M12               |
| No. of poles                              | 3                 |
| Coding                                    | A                 |
| Gender                                    | male              |
| Mounting method                           | inserted, screwed |
| Threaded hole                             | M12 x 1           |
| Tightening torque                         | 0,6 Nm            |
| Width across flats                        | SW13              |
| Cable outlet                              | straight          |
| suitable for corrugated tube (internal Ø) | 10 mm             |
| Side 2                                    |                   |
| Family construction form                  | M8                |
| No. of poles                              | 3                 |
| Coding                                    | A                 |
| Gender                                    | female            |
| Mounting method                           | inserted, screwed |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-05-05

|   |          |
|---|----------|
| Threaded hole                             | M8 x 1   |
| Tightening torque                         | 0,4 Nm   |
| Width across flats                        | SW9      |
| Cable outlet                              | straight |
| suitable for corrugated tube (internal Ø) | 8,5 mm   |

**Commercial data**

|                       |   |
|-----------------------|---|
| URL Webshop           | <a href="https://shop.murrelektronik.com/7700-40561-U030200">https://shop.murrelektronik.com/7700-40561-U030200</a> |
| GTIN                  | 4048879811224   |
| Customs tariff number | 85444290  |
| ECLASS-6.0            | 27279218  |
| ECLASS-6.1            | 27279218  |
| ECLASS-7.0            | 27279218  |
| ECLASS-7.1            | 27279218  |
| ECLASS-8.0            | 27279218  |
| ECLASS-8.1            | 27279218  |
| ECLASS-9.0            | 27060311  |
| ECLASS-9.1            | 27060311  |
| ECLASS-10.0.1         | 27060311  |
| ECLASS-10.1           | 27060311  |
| ECLASS-11.0           | 27060311  |
| ECLASS-11.1           | 27060311  |
| ECLASS-12.0           | 27060311  |
| ECLASS-13.0           | 27060311  |
| ECLASS-14.0           | 27060311  |
| ETIM-5.0              | EC001855  |
| ETIM-6.0              | EC001855  |
| ETIM-7.0              | EC001855  |
| ETIM-8.0              | EC001855  |
| customs tariff number | 85444290  |
| EAN                   | 4048879811224   |
| Packaging unit        | 1   |

**Electrical data | Supply**

|                                    |      |
|------------------------------------|------|
| Operating voltage AC max.          | 50 V |
| Operating voltage DC max.          | 60 V |
| Current operating per contact max. | 4 A  |
| Operating voltage AC (UL-listed)   | 30 V |
| Operating voltage DC (UL-listed)   | 30 V |

**Device protection | Electrical**

|  |                   |
|--|-------------------|
| Degree of protection (EN IEC 60529)    | IP67, IP66K, IP65 |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 1,5 kV            |
| Material group (IEC 60664-1)           | I                 |

**Mechanical data | Material data**

|                  |                  |
|------------------|------------------|
| Locking material | Zinc die-casting |
| Coating locking  | Nickeled         |

**Mechanical data | Mounting data**

|                 |                                       |
|-----------------|---------------------------------------|
| Mounting method | inserted, screwed, Shaking protection |
|-----------------|---------------------------------------|

**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 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. |
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |

**Conformity**

|                  |   |
|------------------|---|
| Product standard | EN IEC 61076-2-101 (M12), EN/IEC 61076-2-104 (M8) |
|------------------|---|

**Installation | Cable**

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Cable identification                | U03                               |
| Cable weight                        | 32,7 g/m                          |
| UL AWM Style                        | 20626 / 1731                      |
| Stranding                           | 1 × 3 wires stranded              |
| Wire arrangement                    | BN, BK, BU                        |
| Material wire insulation            | PVC                               |
| Amount wires                        | 3                                 |
| Outer diameter insulation           | 1.27 mm ± 0.05 mm                 |
| Conductor crosssection (wire)       | 22 AWG                            |
| Material conductor wire             | Stranded copper wire, bare        |
| Core construction (wire)            | 19                                |
| Ingredient freeness wire insulation | lead-free, CFC-free               |
| Material jacket                     | TPE                               |
| Outer-diameter (jacket)             | 4.9 mm ± 5 %                      |
| Jacket Color                        | yellow / RAL 1021                 |
| Freedom from ingredients (jacket)   | lead-free, CFC-free, halogen-free |
| Conductor resistance (wire)         | 46.9 Ω/km @ 20 °C                 |
| Nominal voltage max.                | 300 V                             |
| Withstand voltage (wire - wire)     | 2 kV @ 60 s                       |
| Withstand voltage (wire - jacket)   | 2 kV @ 60 s                       |
| Current load capacity max. (wire)   | 6 A                               |
| Current load capacity (standard)    | to DIN VDE 0298-4                 |
| Operating temperature (static)      | -40 °C ... 105 °C                 |
| Operating temperature (dynamic)     | -20 °C ... 90 °C                  |
| Flame resistance                    | CSA FT4                           |
| Oil resistance                      | good                              |
| Notes                               | application-related testing       |
| Bending radius (fixed)              | 5 × Outer diameter                |
| Bending radius (dynamic)            | 10 × Outer diameter               |
| No. of bending cycles (C-track)     | 10 Mio. @ 25 °C                   |
| No. of torsion cycles               | 3 Mio.                            |
| Torsion stress                      | ± 180 °/m                         |