

**Y-Distributor M12 male / M8 female 0° A-cod.**

PVC 3x0.25 ye UL/CSA 5m

Art.No.: 7000-40821-0100500

Weight: 0.294 kg

Country of origin: DE

Model designation: MSAYTL0-FR010\_5.0-FR010\_5.0

Y-connector M12 – M8, 4/3-pole

Male straight – females straight

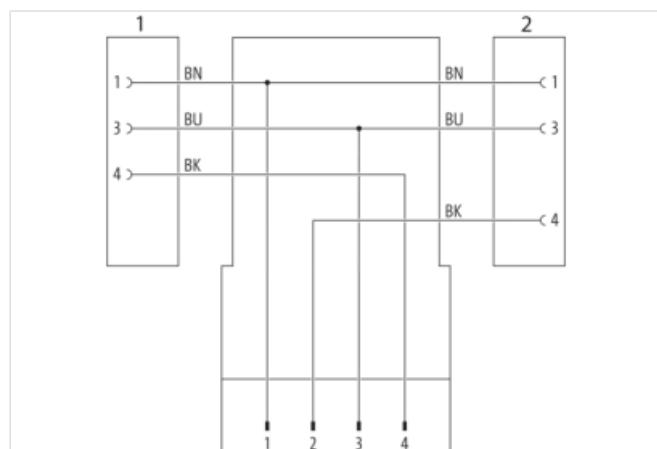
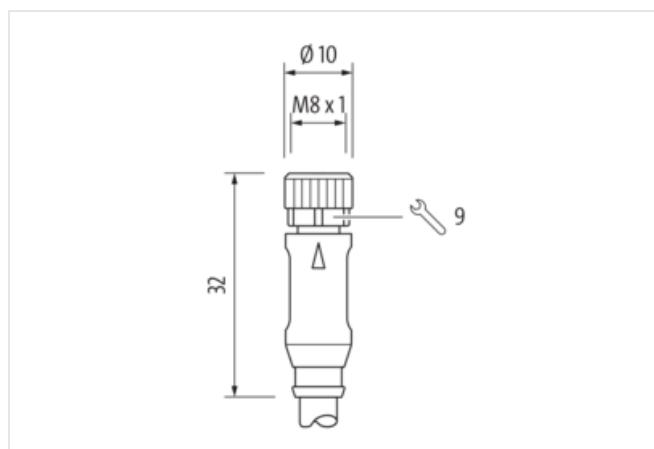
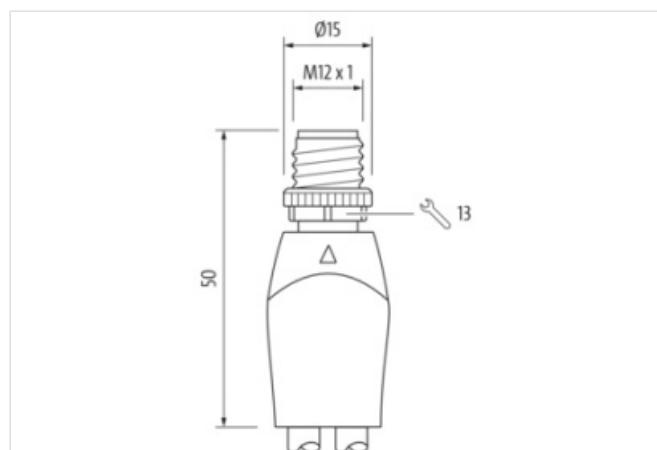
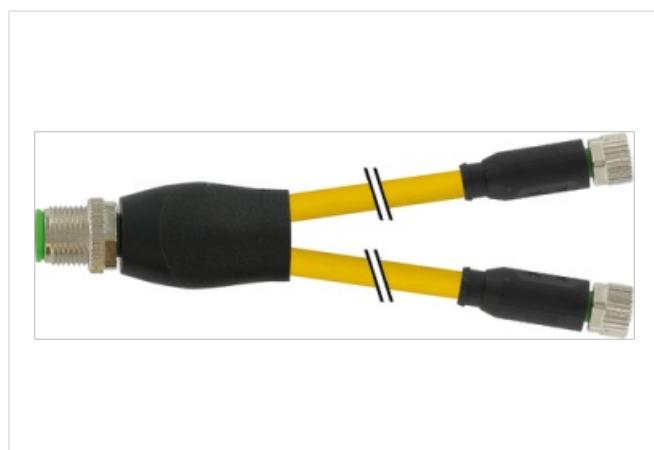
M12, A-coded

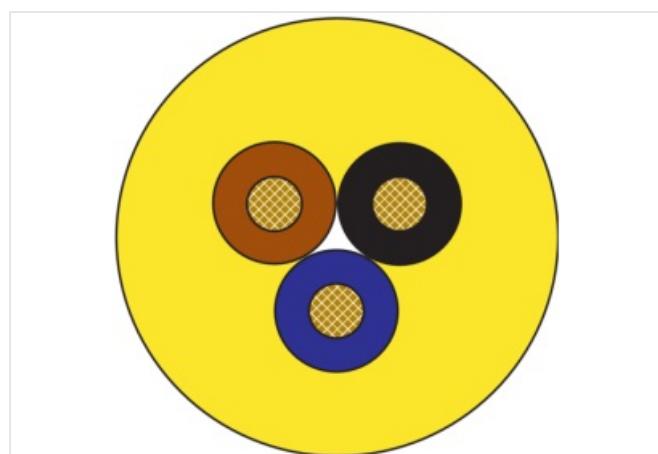
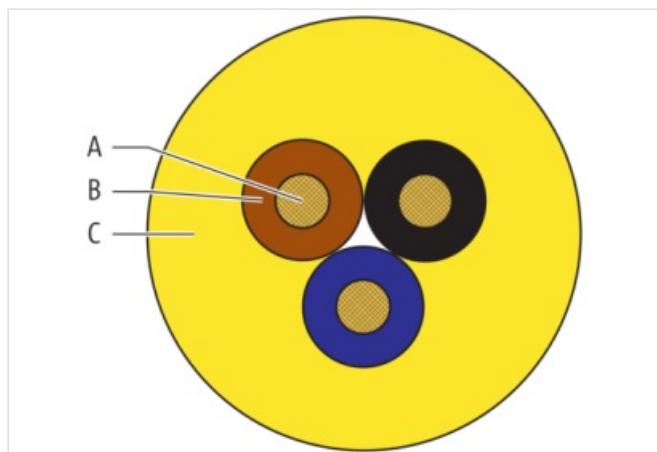
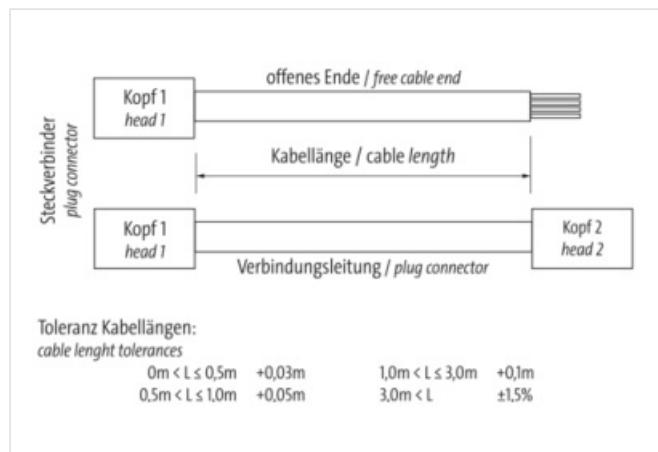
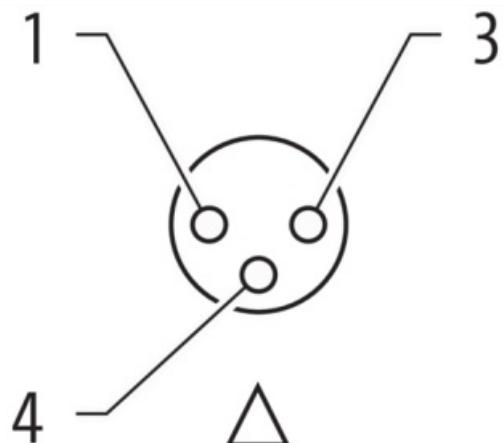
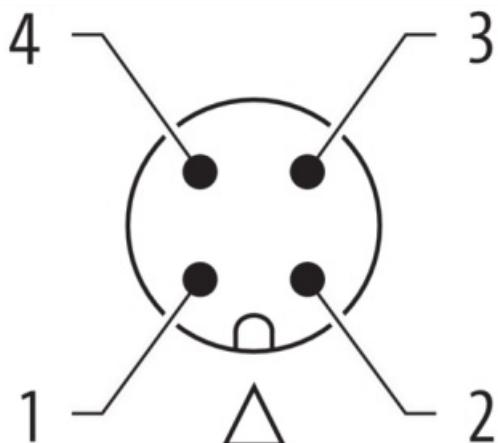
Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

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



#### Header

Material short text MSAYTL0-FR010\_5.0-FR010\_5.0

Cable length 5,00 m

#### Side 1

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: 2026-02-06

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com

|   |                   |
|---|-------------------|
| Family construction form                  | M8                |
| No. of poles                              | 3                 |
| Coding                                    | A                 |
| Gender                                    | Female            |
| Mounting method                           | inserted, screwed |
| Threaded hole                             | M8 x 1            |
| Tightening torque                         | 0,4 Nm            |
| Width across flats                        | SW9               |
| Cable outlet                              | straight          |
| suitable for corrugated tube (internal Ø) | 6,5 mm            |
| Material                                  | PUR               |
| Material contact                          | Copper alloy      |
| Coating contact                           | gold plated       |
| Degree of protection (EN IEC 60529)       | IP67, IP66K, IP65 |

**Side 2**

|   |                   |
|---|-------------------|
| Family construction form                  | M8                |
| No. of poles                              | 3                 |
| Coding                                    | A                 |
| Gender                                    | Female            |
| Mounting method                           | inserted, screwed |
| Threaded hole                             | M8 x 1            |
| Tightening torque                         | 0,4 Nm            |
| Width across flats                        | SW9               |
| Cable outlet                              | straight          |
| suitable for corrugated tube (internal Ø) | 6,5 mm            |
| Material                                  | PUR               |
| Material contact                          | Copper alloy      |
| Coating contact                           | gold plated       |
| Degree of protection (EN IEC 60529)       | IP67, IP66K, IP65 |

**Side 3**

|                                     |                   |
|-------------------------------------|-------------------|
| Family construction form            | M12               |
| No. of poles                        | 4                 |
| 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          |
| Material                            | PUR               |
| Material contact                    | Copper alloy      |
| Coating contact                     | gold plated       |
| Degree of protection (EN IEC 60529) | IP67, IP66K, IP65 |

**Commercial data**

|             |   |
|-------------|---|
| URL Webshop | <a href="https://shop.murrelektronik.com/7000-40821-0100500">https://shop.murrelektronik.com/7000-40821-0100500</a> |
| GTIN        | 4048879439183   |
| 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  | 27060313  |

|                       |               |
|-----------------------|---------------|
| ECCLASS-9.1           | 27060313      |
| ECCLASS-10.0.1        | 27060313      |
| ECCLASS-10.1          | 27060313      |
| ECCLASS-11.0          | 27060313      |
| ECCLASS-11.1          | 27060313      |
| ECCLASS-12.0          | 27060313      |
| ECCLASS-13.0          | 27060313      |
| ECCLASS-14.0          | 27060313      |
| ETIM-5.0              | EC001855      |
| ETIM-6.0              | EC001855      |
| ETIM-7.0              | EC001855      |
| ETIM-8.0              | EC001855      |
| customs tariff number | 85444290      |
| EAN                   | 4048879439183 |
| 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 |

#### Diagnostics

|                       |    |
|-----------------------|----|
| Status indication LED | No |
|-----------------------|----|

#### Device protection | Electrical

|  |                   |
|--|-------------------|
| 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  | Nickel           |
| Material gasket  | FKM              |

#### Mechanical data | Mounting data

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

#### Environmental characteristics | Climatic

|  |                            |
|--|----------------------------|
| Operating temperature min.             | -30 °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 | 010                |
| Cable Type           | 1                  |
| Amount stranding     | 1                  |
| Stranding            | 3 wires stranded   |
| Wire arrangement     | brown, black, blue |
| Cable weight         | 26,7 g/m           |

|  |  |
|--|--|
| Material wire insulation                 | PVC  |
| Amount wires                             | 3  |
| Outer diameter insulation                | 1,25 mm  |
| Outer diameter tolerance core insulation | ± 0,05 mm  |
| Shore hardness wire insulation           | 45 ± 5 Shore D                                   |
| Material properties wire insulation      | good machinability                               |
| Ingredient freeness wire insulation      | CFC-free, cadmium-free, silicone-free, lead-free |
| Amount strands (wire)                    | 14   |
| Diameter of single wires                 | 0,15 mm  |
| Conductor crosssection (wire)            | 0,25 mm <sup>2</sup>                             |
| Material conductor wire                  | Stranded copper wire, bare                       |
| Conductor type (wire)                    | Strand class 5                                   |
| Outer-diameter (jacket)                  | 4,5 mm   |
| Tolerance outer diameter (sheath)        | ± 5 %  |
| Material jacket                          | PVC  |
| Shore hardness jacket                    | 85 ± 5 Shore A                                   |
| Freedom from ingredients (jacket)        | CFC-free, cadmium-free, silicone-free, lead-free |
| Material property (jacket)               | good machinability                               |
| Conductor resistance (wire)              | 79 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 (standard)         | to DIN VDE 0298-4                                |
| Current load capacity max. (wire)        | 4,5 A  |
| Operating temperature min. (static)      | -30 °C   |
| Operating temperature max. (static)      | 80 °C  |
| Operating temperature min. (dynamic)     | -5 °C  |
| Operating temperature max. (dynamic)     | 80 °C  |
| Flame resistance                         | UL 1581 § 1080, CSA FT1, IEC 60332-1-2           |
| Oil resistance                           | good   |
| Chemical resistance                      | good   |
| Other resistances                        | good resistance to gasoline                      |
| Bending radius (fixed)                   | 5 × Outer diameter                               |
| Bending radius (dynamic)                 | 10 × Outer diameter                              |