

**M12 male 0° A-cod. with cable V2A**

PUR 5x0.34 gy UL/CSA 10m

Art.No.: 7002-12041-2251000

Weight: 0.511 kg

Country of origin: DE

Model designation: MSAL0-U215\_10.0-S02

**⚠ NOTICE ⚠****PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.**

Male straight

M12, 5-pole

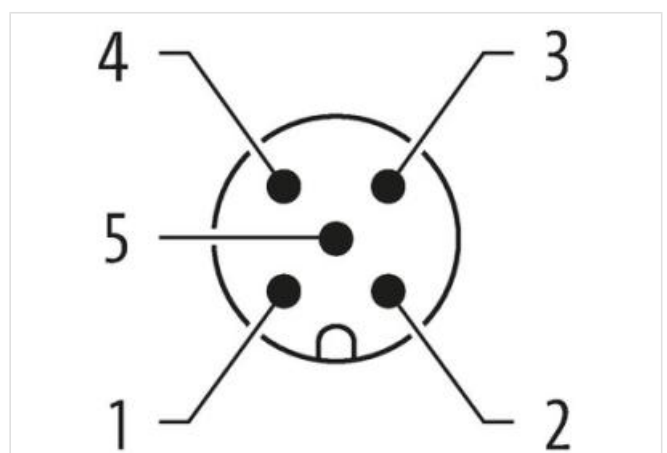
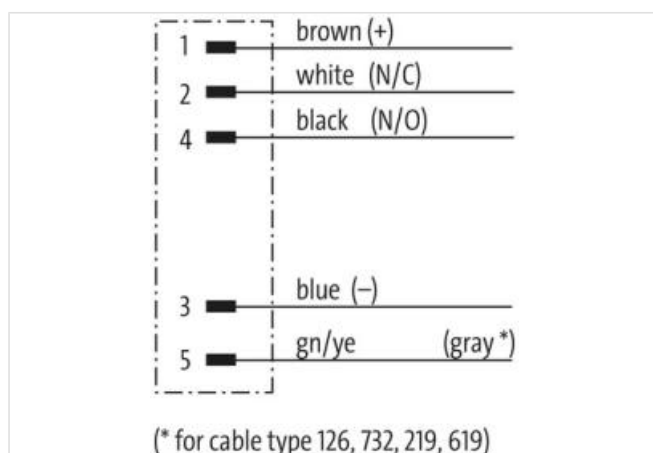
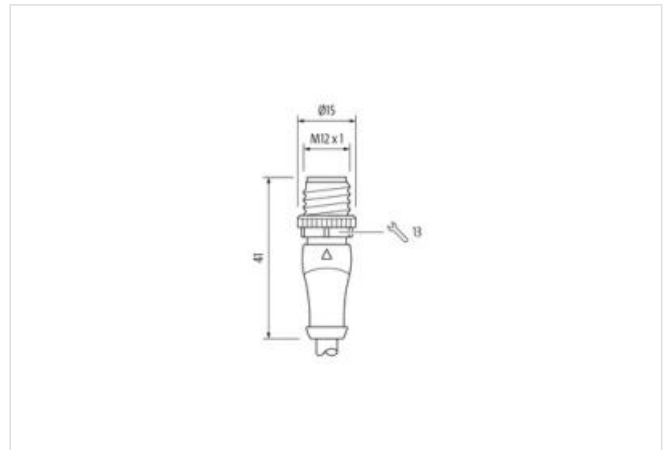
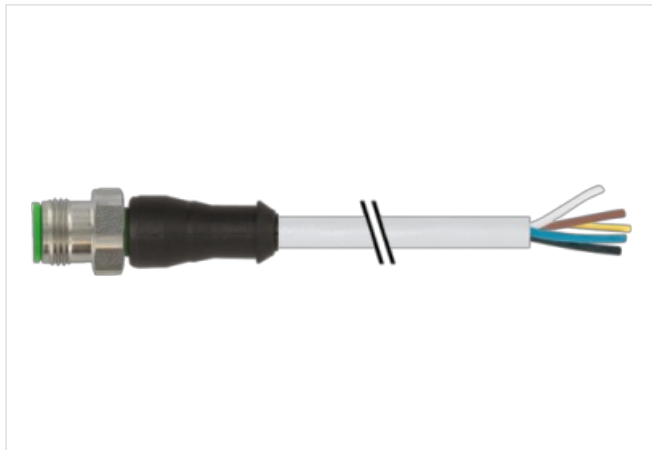
Stainless steel 1.4305 (V2A)

Art-No. 7005 - M12 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



|                                           |                   |
|-------------------------------------------|-------------------|
| Cable length                              | 10 m              |
| <b>Side 1</b>                             |                   |
| 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                 |
| No. of poles                              | 5                 |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |

|                           |               |
|---------------------------|---------------|
| <b>Side 2</b>             |               |
| Stripping length (jacket) | 20 mm         |
| <b>Commercial data</b>    |               |
| ECLASS-6.0                | 27279218      |
| ECLASS-6.1                | 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      |
| customs tariff number     | 85444290      |
| EAN                       | 4048879609289 |
| Packaging unit            | 1             |

|                                    |       |
|------------------------------------|-------|
| <b>Electrical data   Supply</b>    |       |
| Operating voltage AC max.          | 125 V |
| Operating voltage DC max.          | 125 V |
| Operating voltage AC (UL-listed)   | 30 V  |
| Operating voltage DC (UL-listed)   | 30 V  |
| Current operating per contact max. | 4 A   |

|                       |    |
|-----------------------|----|
| <b>Diagnostics</b>    |    |
| Status indication LED | no |

|                                  |       |
|----------------------------------|-------|
| <b>Installation   Connection</b> |       |
| Stripping length (jacket)        | 20 mm |

|                                        |                   |
|----------------------------------------|-------------------|
| <b>Device protection   Electrical</b>  |                   |
| 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> |                              |
| Material housing                       | PUR                          |
| Locking material                       | Stainless steel 1.4305 (V2A) |

|                                        |  |
|----------------------------------------|--|
| <b>Mechanical data   Mounting data</b> |  |
|----------------------------------------|--|

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 |

#### Cable

|                                   |                                                                                                                                                        |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable identification              | 225                                                                                                                                                    |
| Cable Type                        | 2 (PUR/PVC)                                                                                                                                            |
| Approval (cable)                  | UL (AWM-Style 20549/1731), CSA; CE conform                                                                                                             |
| Cable weight [g/m]                | 54,78 g                                                                                                                                                |
| Material wire                     | Cu wire, bare                                                                                                                                          |
| Resistor (core)                   | max. 57 $\Omega$ /km (20 °C)                                                                                                                           |
| Single wire Ø (core)              | 0.1 mm                                                                                                                                                 |
| Construction (core)               | 42× 0.1 mm (multi-strand wire class 6)                                                                                                                 |
| Diameter (core)                   | 5× 0.34 mm <sup>2</sup>                                                                                                                                |
| AWG                               | similar to AWG 22                                                                                                                                      |
| Material wire isolation           | PVC                                                                                                                                                    |
| Material property wire insulation | CFC-, cadmium-, silicone- and lead-free                                                                                                                |
| Shore hardness wire isolation     | 43 ±5 D                                                                                                                                                |
| Wire-Ø incl. isolation            | 1.25 mm ±5%                                                                                                                                            |
| Color/numbering of wires          | br, bk, bl, wh, gnye longitudinally striped                                                                                                            |
| Stranding combination             | 5 wires twisted around central filler                                                                                                                  |
| Shield                            | no                                                                                                                                                     |
| Material jacket                   | PUR/PVC                                                                                                                                                |
| Material property (jacket)        | CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant |
| Shore hardness jacket             | 80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)                                                                                                       |
| Outer-Ø (jacket)                  | 5.0 mm ±5%                                                                                                                                             |
| Color jacket                      | gray                                                                                                                                                   |
| chemical resistance               | good resistance to oil, gasoline and chemicals                                                                                                         |
| Nominal voltage                   | UL 300 V AC                                                                                                                                            |
| Test voltage                      | 2000 V AC                                                                                                                                              |
| Current load capacity             | to DIN VDE 0298-4                                                                                                                                      |
| Temperature range (fixed)         | -30...+80 °C                                                                                                                                           |
| Temperature range (mobile)        | -5...+80 °C                                                                                                                                            |
| Bending radius (fixed)            | 10× outer Ø                                                                                                                                            |
| Bending radius (dynamic)          | 15× outer Ø                                                                                                                                            |
| No. of bending cycles (C-track)   | max. 2 Mio. (25 °C)                                                                                                                                    |
| Travel speed (C-track)            | max. 3.3 m/s                                                                                                                                           |
| Acceleration (C-track)            | max. 5 m/s <sup>2</sup>                                                                                                                                |