

M12 male 0° / M12 female 0° A-cod. V4A

PUR AWG24+22 shielded bk UL/CSA+drag ch. 3m

Art.No.: 7004-40531-8380300

Weight: 0.238

Country of origin: CZ

Model designation: MSBL0-A-U838_3.0-S04

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

Product details:

M12 – M12, 5-pole

Male straight – female straight

A-coded

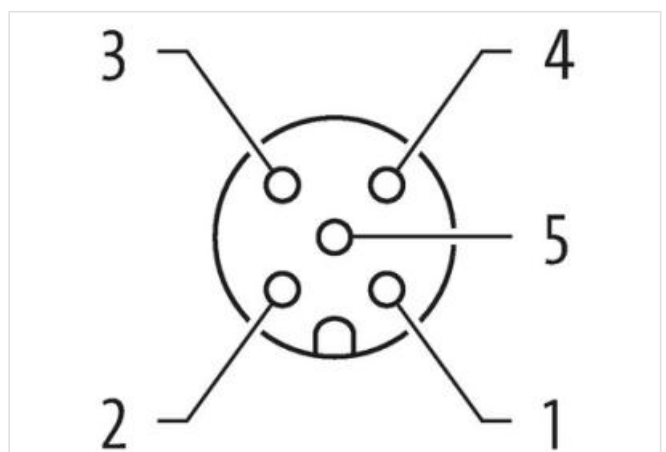
Stainless steel 1.4404 (V4A)

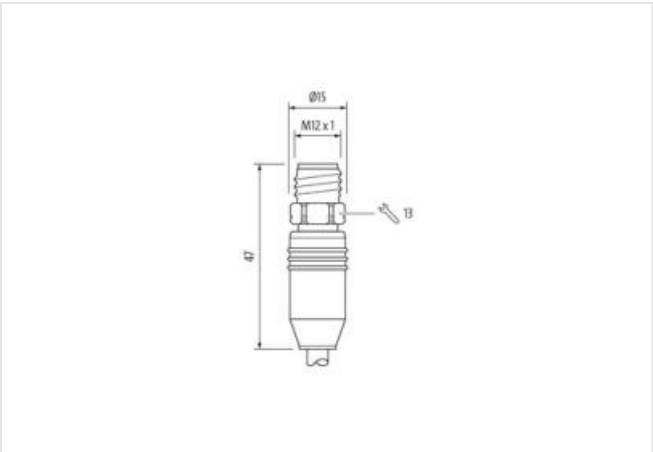
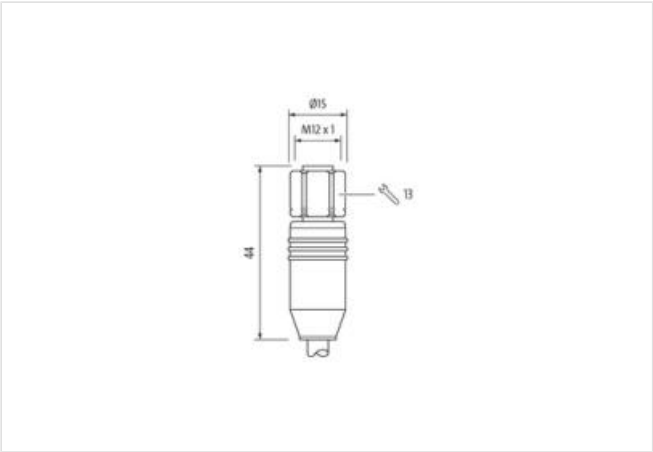
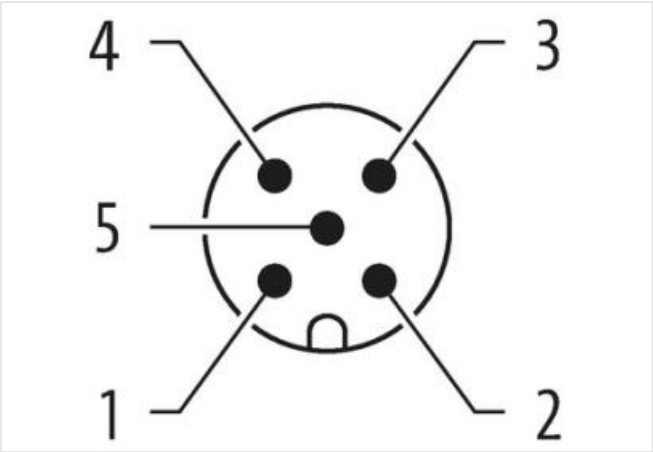
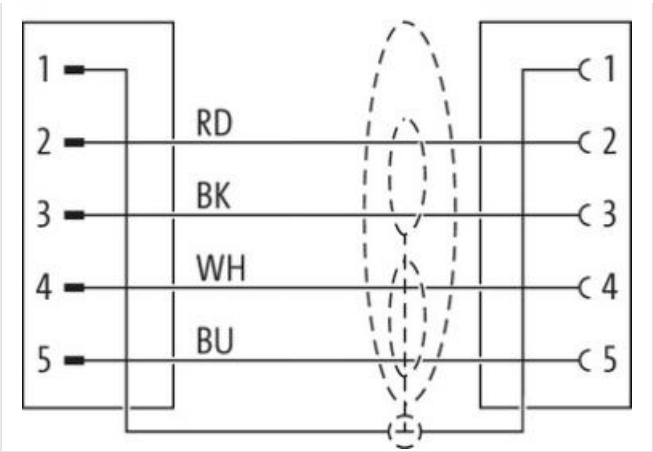
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

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 | 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 |
| Coding | A |
| Material contact | Copper alloy |
| No. of poles | 5 |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP67 |
| Side 2 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Coating contact | gold plated |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| Material contact | Copper alloy |
| No. of poles | 5 |
| Commercial data | |
| ECLASS-6.0 | 27279218 |
| ECLASS-7.0 | 27279218 |
| ECLASS-8.0 | 27279218 |
| ECLASS-9.0 | 27060311 |
| ECLASS-10.1 | 27060307 |
| ECLASS-11.1 | 27060307 |
| ECLASS-12.0 | 27060307 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| customs tariff number | 85444290 |
| EAN | 4048879485500 |
| EAN | 4048879485500 |
| Packaging unit | 1 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 60 V |
| Operating voltage DC max. | 60 V |
| Operating voltage AC (UL-listed) | 30 V |
| Operating voltage DC (UL-listed) | 30 V |
| Current operating per contact max. | 4 A |
| 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 | |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| Material housing | PUR |
| Material gasket | FKM |

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: 2025-05-29

Murrelektronik GmbH | Grabenstraße 29 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com

| | |
|---|--|
| Material conductor wire (Power) | copper stranded wire, tinned |
| Nominal voltage AC max. | 300 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. Wire (Data) | 3 A |
| Current carrying capacity min. wire (Power) | 6 A |
| Characteristic impedance | 120 $\Omega \pm 10\%$ @ 1 MHz |
| Electrical resistance coating wire (Power) | 54 Ω /km @20 °C |
| Electrical resistance coating wire (Data) | 78 Ω /km @ 20 °C |
| AC withstand voltage (wire - wire) | 2 kV @ 60 s |
| Electric capacitance | 40000 pF/km |
| AC withstand voltage (wire - shield) | 2 kV @ 60 s |
| Isolation resistance | 5000 M Ω × km |
| AC withstand voltage power (wire - shield) | 2 kV @ 60 s |
| AC withstand voltage power (wire - wire) | 2 kV @ 60 s |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 80 °C |
| Operating temperature min. (dynamic) | -30 °C |
| Operating temperature max. (dynamic) | 70 °C |
| UV resistance | DIN EN ISO 4892-2 A |
| Flame resistance | IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 |
| 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) | 6 x Outer diameter |
| Bending radius (dynamic) | 10 x Outer diameter |
| No. of bending cycles (C-track) | 1 Mio. @ 25 °C |
| Traversing distance (C-track) | 5 m @ 25 °C |
| Travel speed (C-track) | 3 m/s @ 25 °C |