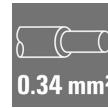


SAIL-M12BG-5-5.0UN

M12 female straight, 5-pole, PUR



Overview

Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

General Ordering Data

| | |
|-----------|--|
| Version | Sensor/actuator line, One end without connector, M12, Number of poles : 5, 5 m, Socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1022760500 |
| Type | SAIL-M12BG-5-5.0UN |
| Qty | 1 pc(s) |

SAIL-M12BG-5-5.0UN

M12 female straight, 5-pole, PUR

Technical Data

| Technical specifications for cable | |
|------------------------------------|--|
| Acceleration | 5 m/s ² |
| Bending cycles | 12 Mio |
| Bending cycles at torsion | > 5 Mio. |
| Bending radius, min., moving | 10 x cable diameter |
| Bending radius, min., stationary | 5 x cable diameter |
| Cable length | 5 m |
| Configurable cable length | No |
| Color coding | grey, brown, black, blue, white |
| Core cross-section | 0.34 mm ² |
| Halogen | No |
| Insulation | PP |
| LABS-free | Yes |
| Number of poles | 5 |
| Outside diameter | 5 mm ± 0.2 mm |
| Resistance to spread of flame | In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2 |
| Resistant to welding beads | No |
| Sheath material | PUR |
| Sheathing color | black |
| Shielded | No |
| Suitable for cable carriers | Yes |
| Temperature range, moving | -25...80 °C |
| Temperature range, stationary | -50...80 °C |
| Welding spark resistance | No |

| Electrical properties | |
|-----------------------|-------------------|
| Insulation strength | 10 ⁸ Ω |
| Rated voltage | 60 V |

| General standards | |
|-------------------------|-----------------|
| Certificate no. (cURus) | E307231 |
| Connector standard | IEC 61076-2-101 |

| General technical data | |
|------------------------------|--|
| Coding | A |
| Connection thread | M12 |
| Contact surface | CuSn / CuAu |
| Housing main material | PUR |
| Insulation strength | 10 ⁸ Ω |
| LED | No |
| Plugging cycles | ≥ 100 |
| Pollution severity | 3 |
| Protection degree | IP65, IP66, IP67, IP68, when screwed in, IP69 |
| Rated current | 4 A |
| Rated voltage | 60 V |
| Shock and vibration proof | according to Section B |
| Temperature range of housing | -40 ... +90 °C |
| Tightening torque | M12: 0.8 - 1.2 Nm |
| Threaded ring material | CuZn / Ni |
| Version | Socket, straight |
| Jumpered | No |

Approvals



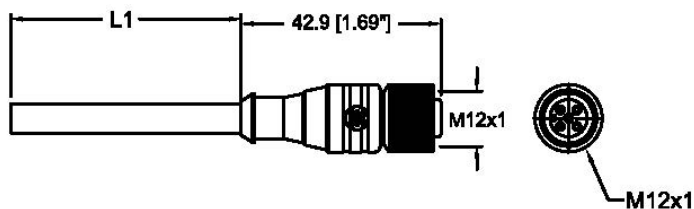
UL File Number Search E307231

SAIL-M12BG-5-5.0UN

M12 female straight, 5-pole, PUR

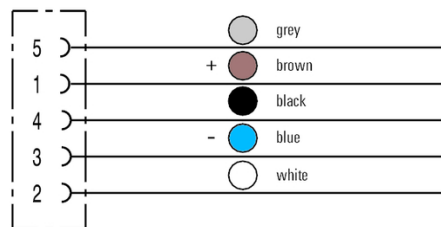
Drawings

Dimension Drawing

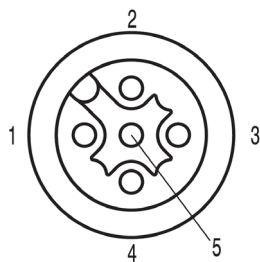


Straight Socket

Wiring Diagram



Pole Scheme



Socket

The Ideal Tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1
Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

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