# SAIL-M12GM12G-3-0.6U

**Weidmüller Interface GmbH & Co. KG**
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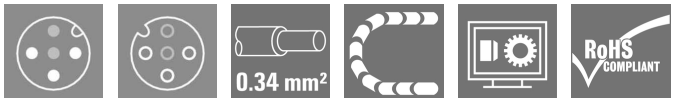


Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, 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.
Is there something you have not managed to find or you feel needs explanation? Talk to us!

## General ordering data

| | |
|---|---|
| Type | SAIL-M12GM12G-3-0.6U |
| Order No. | 9457230060 |
| Version | Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 3, 0.6 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248230044 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 44 g |

### Temperatures

| | | | |
|---|---|---|---|
| Operating temperature, max. | 80 °C | Operating temperature, min. | -25 °C |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Number of poles | 3 | Core cross-section | 0.34 mm² |
| Outside diameter | 4.3 ± 0.2 mm | Cable length | 0.6 m |
| Shielded | No | Insulation | PP |
| Colour coding | brown, blue, black | Sheath material | PUR |
| Sheathing colour | black | Halogen | No |
| Temperature range, moving | -25...80 °C | Temperature range, stationary | -40...80 °C |
| Core in accordance with UL AWM style | 10493 (80 °C / 300 V) | Outer cladding in accordance with UL AWM style | 20233/21198 (80 °C / 300 V) |
| Suitable for cable carriers | Yes | Torsion resistance | 360 °/m |
| Bending radius, min., stationary | 5 x cable diameter | Bending radius, min., moving | 10 x cable diameter |
| Acceleration | 5 m/s² | Speed | 5 m/s |
| Bending cycles | 2 Mio | Resistant to welding beads | No |
| Hybrid cable | No | Irradiation crosslinked | No |
| Configurable cable length | No | Hydrolysis and microbe resistant | Yes |
| LABS-free | Yes | Resistance to oils | in accordance with IEC 60811:404 |
| Resistance to spread of flame | in accordance with UL1581 UL/ CUL FT1, in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2 | | |

### General technical data

| | | | |
|---|---|---|---|
| Version | pin, straight - socket, straight | Connection thread | M12 / M12 |
| Housing main material | PUR | Threaded ring material | Diecast zinc |
| Coding | A | Protection degree | IP65, IP66, IP67, IP68, when screwed in |
| Contact surface | Gold-plated | LED | No |
| Rated voltage | 250 V | Rated current | 4 A |
| Insulation strength | $10^8$ Ω | Temperature range of housing | -25...+85 °C |
| Tightening torque | M12: 0.8 - 1.2 Nm | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | jumpered | No |

### Standards

| | | | |
|---|---|---|---|
| Connector standard | IEC 61076-2-101 | Certificate no. (cULus) | E307231 |

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### Classifications

| | | | |
|---|---|---|---|
| ETIM 3.0 | EC001855 | ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 | ETIM 6.0 | EC001855 |
| UNSPSC | 26-12-16-13 | eClass 5.1 | 27-06-91-90 |
| eClass 6.2 | 27-27-92-18 | eClass 7.1 | 27-06-91-90 |
| eClass 8.1 | 27-06-91-90 | eClass 9.0 | 27-06-03-11 |
| eClass 9.1 | 27-06-03-11 | | |

### Approvals

| | |
|---|---|
| Approvals | c UL us LISTED |
| ROHS | Conform |

### Downloads

| | |
|---|---|
| Brochure/Catalogue | FL FIELDWIRING EN |
| Engineering Data | EPLAN, WSCAD |

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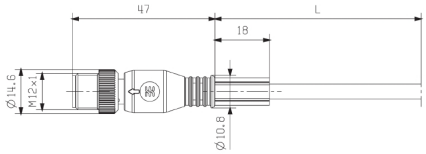
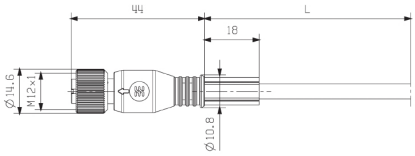
# Drawings

### Dimensioned drawing




Male, straight

### Dimensioned drawing



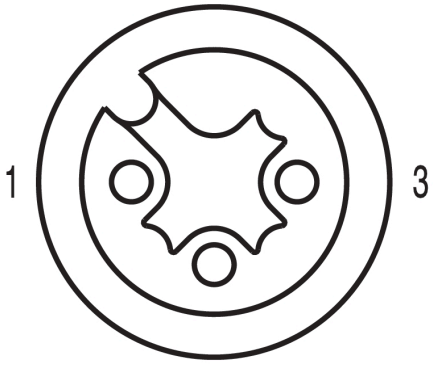

Straight socket

### Pole scheme



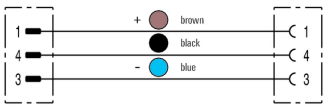

Male

### Pole scheme




Socket

### Wiring diagram




### 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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