# SAIL-M12GM12G-12S4.0U

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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.
Our sensor cables come with 360° shielding which provides protection against electromagnetic interference.
Is there something you have not managed to find or you feel needs explanation? Talk to us!

## General ordering data

| | |
|---|---|
| Type | SAIL-M12GM12G-12S4.0U |
| Order No. | 2555170400 |
| Version | Sensor/actuator line, M12, Number of poles : 12, 4 m, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4050118565416 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 230 g |

### Environmental Product Compliance

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

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Number of poles | 12 | Core cross-section | 0.14 mm² |
| Cable length | 4 m | Shielded | Yes |
| Insulation | PP | Colour coding | black, yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue |
| Sheath material | PUR | Sheathing colour | black |
| Halogen | No | Temperature range, moving | -30...90 °C |
| Temperature range, stationary | -40...90 °C | Core in accordance with UL AWM style | 10493 (80 °C / 300 V) |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Suitable for cable carriers | Yes |
| Torsion resistance | 0 °/m | Bending radius, min., stationary | 5 x cable diameter |
| Bending radius, min., moving | 12 x cable diameter | Acceleration | 5 m/s² |
| Speed | 100 m/min | Bending cycles | 1 mill. |
| Hybrid cable | No | Irradiation crosslinked | No |
| Configurable cable length | No | | |

### General technical data

| | | | |
|---|---|---|---|
| Connection thread | M12 | Housing main material | TPU |
| Threaded ring material | Diecast zinc | Coding | A |
| Protection degree | IP67, when screwed in | Contact surface | Gold-plated |
| LED | No | Rated voltage | 30 V |
| Rated current | 1.5 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 | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC001855 | eClass 6.2 | 27-06-91-90 |
| eClass 9.0 | 27-06-03-11 | eClass 9.1 | 27-06-03-11 |

### Approvals

| | |
|---|---|
| ROHS | Conform |

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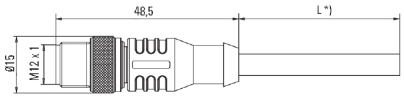
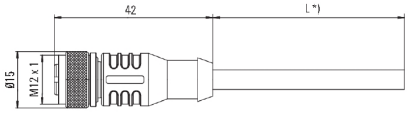
## Drawings

### Dimensioned drawing

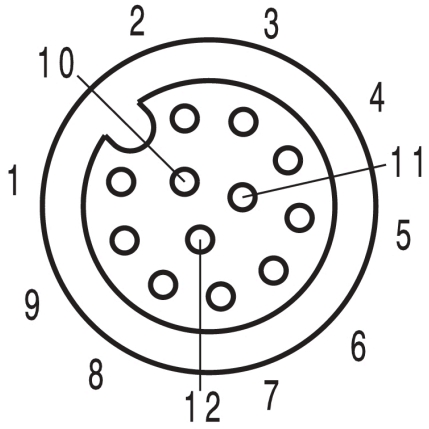



### Dimensioned drawing



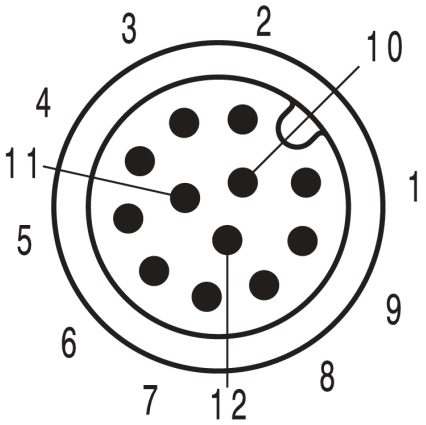

Straight socket

### Pole scheme



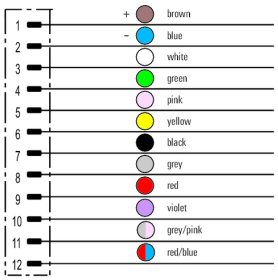

Female

### Pole scheme




Male

### 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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