# SAIL-M8BG-4S5.0U

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

| | |
|---|---|
| Version | Sensor/actuator line, One end without connector, M8, Number of poles : 4, 5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1906610500 |
| Type | SAIL-M8BG-4S5.0U |
| GTIN (EAN) | 4032248530366 |
| Qty. | 1 pc(s). |

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**Weidmüller** ⊒Ξ

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## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 201 g |

### Temperatures

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

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Acceleration | 5 m/s² | Bending cycles | 2 Mio |
| Bending radius, min., moving | 12 x conductor cross-section | Bending radius, min., stationary | 5 x cable diameter |
| Cable length | 5 m | Colour coding | brown, black, blue, white |
| Configurable cable length | No | Core cross-section | 0.34 mm² |
| Halogen | No | Insulation | PP |
| Irradiation crosslinked | No | Number of poles | 4 |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Outside diameter | 5.1 mm ± 0.2 mm |
| Resistance to spread of flame | in accordance with IEC 60332-2 | Resistant to welding beads | No |
| Sheath material | PUR | Sheathing colour | black |
| Shielded | Yes | Speed | 100 m/min |
| Suitable for cable carriers | Yes | Temperature range, moving | -25...80 °C |
| Temperature range, stationary | -40...80 °C | Torsion resistance | 0 °/m |
| Welding spark resistance | No | | |

### General technical data

| | | | |
|---|---|---|---|
| Coding | A | Connection thread | M8 |
| Contact surface | Gold-plated | 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 | Rated current | 4 A |
| Rated voltage | 30 V | Temperature range of housing | -40 ... +85 ° C |
| Threaded ring material | Diecast zinc | Tightening torque | M8: 0.5 - 0.6 Nm |
| Version | Female socket, straight | jumpered | No |

### Electrical properties

| | | | |
|---|---|---|---|
| Insulation strength | $10^8$ Ω | Rated voltage | 30 V |

### General standards

| | | | |
|---|---|---|---|
| Certificate no. (cULus) | E307231 | Connector standard | IEC 61076-2-104 |

### Standards

| | |
|---|---|
| Connector standard | IEC 61076-2-104 |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC001855 | ETIM 7.0 | EC001855 |
| ETIM 8.0 | EC001855 | ECLASS 9.0 | 27-06-03-11 |
| ECLASS 9.1 | 27-06-03-11 | ECLASS 10.0 | 27-06-03-11 |
| ECLASS 11.0 | 27-06-03-11 | ECLASS 12.0 | 27-06-03-11 |

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## Technical data

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

### Approvals

Approvals

| | |
|---|---|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E307231 |

### Downloads

| | |
|---|---|
| Engineering Data | [WSCAD](#) |
| Catalogues | [Catalogues in PDF-format](#) |
| Brochures | [FL FIELDWIRING EN](#) |

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# SAIL-M8BG-4S5.0U

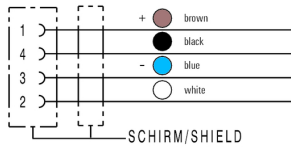## Drawings

### Dimensioned drawing
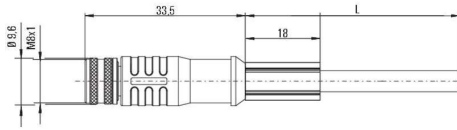
Straight socket

### 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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