

## SAIL-M8BW-5-10U

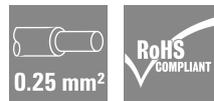
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)



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

|            |                                                                                                                               |
|------------|-------------------------------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, M8, Number of poles : 5, 10 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2466641000</a>                                                                                                    |
| Type       | SAIL-M8BW-5-10U                                                                                                               |
| GTIN (EAN) | 4050118480771                                                                                                                 |
| Qty.       | 1 items                                                                                                                       |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Net weight 300 g

## Environmental Product Compliance

RoHS Compliance Status Compliant  
 REACH SVHC Lead 7439-92-1  
 SCIP e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

## Technical specifications for cable

|                              |                     |                                                |                                                                          |
|------------------------------|---------------------|------------------------------------------------|--------------------------------------------------------------------------|
| Cable length                 | 10 m                | Sheathing colour                               | black                                                                    |
| Suitable for cable carriers  | Yes                 | Core cross-section                             | 0.25 mm <sup>2</sup>                                                     |
| Shielded                     | No                  | Halogen                                        | No                                                                       |
| Insulation                   | PP                  | Acceleration                                   | 5 m/s <sup>2</sup>                                                       |
| Bending radius, min., moving | 10 x cable diameter | Bending radius, min., stationary               | 5 x cable diameter                                                       |
| Bending cycles               | 12 Mio              | Resistance to spread of flame                  | In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2 |
| Speed                        | 5 m/s               | Sheath material                                | PUR                                                                      |
| Configurable cable length    | No                  | Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V)                                                    |
| Irradiation crosslinked      | No                  | Welding spark resistance                       | No                                                                       |
| Torsion resistance           | 360 °/m             | Temperature range, stationary                  | -40...80 °C                                                              |
| Resistant to welding beads   | No                  | Bending cycles at torsion                      | > 5 Mio.                                                                 |
| Temperature range, moving    | -25...80 °C         | Length of torsion                              | 1 m                                                                      |
| Number of poles              | 5                   |                                                |                                                                          |

## General technical data

|                        |                      |                              |                   |
|------------------------|----------------------|------------------------------|-------------------|
| Coding                 | B-coded              | Connection thread            | M8                |
| Contact surface        | Gold-plated          | LED                          | No                |
| Version                | Socket, angled       | Housing main material        | PUR               |
| Insulation resistance  | 108 Ω                | Nominal voltage              | 60 V              |
| Nominal current        | 3 A                  | Protection degree            | IP69K, IP65, IP66 |
| Plugging cycles        | ≥ 100                | Pollution severity           | 3                 |
| Threaded ring material | Brass, nickel-plated | Temperature range of housing | -25...+85 °C      |
| Tightening torque      | M8: 0.5 - 0.6 Nm     |                              |                   |

## Electrical properties

Insulation resistance 108 Ω      Nominal voltage 60 V

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**Technical data****Plug, left**

|           |                                                                 |
|-----------|-----------------------------------------------------------------|
| Plug left | M8, IP67, female contact,<br>angled 90°, Plastic,<br>unshielded |
|-----------|-----------------------------------------------------------------|

**Plug, right**

|            |                    |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

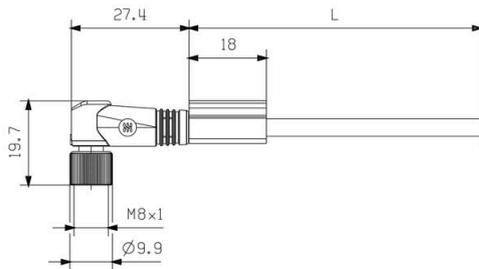
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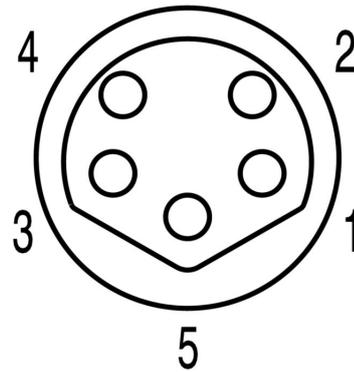
**Drawings**

**Dimensioned drawing**



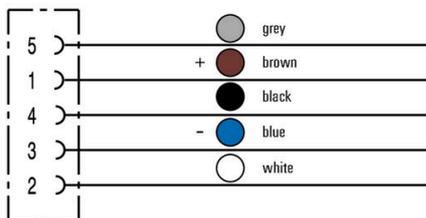
Angled socket

**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

