

## SAIL-M8GM8W-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 / M8, Number of poles : 5, 10 m, pin, straight - socket, 90&deg;, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2475241000</a>  |
| Type       | SAIL-M8GM8W-5-10U   |
| GTIN (EAN) | 4050118486872   |
| Qty.       | 1 items   |

## SAIL-M8GM8W-5-10U

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Net weight 310 g

## Environmental Product Compliance

RoHS Compliance Status Compliant  
 REACH SVHC Lead 7439-92-1  
 SCIP 1c533b66-fcff-4da5-b89f-fd55fbf5cb55

## 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 / M8           |
| Contact surface        | Gold-plated                 | LED                          | No                |
| Version                | pin, straight - socket, 90° | 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

**SAIL-M8GM8W-5-10U**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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

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

|           |   |
|-----------|---|
| Plug left | M8, IP67, male contact,<br>straight, Plastic,<br>unshielded |
|-----------|---|

**Plug, right**

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

**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 |             |             |

SAIL-M8GM8W-5-10U

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

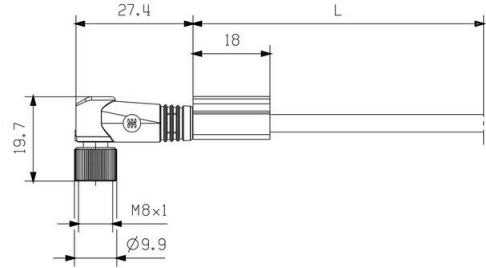
Drawings

Dimensioned drawing



Male, straight

Dimensioned drawing



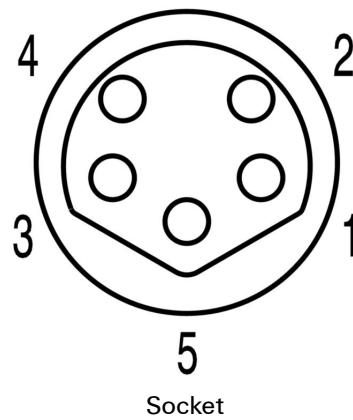
Angled socket

Pole scheme



Male

Pole scheme



Socket

# Drawings

## 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