

## SAIL-M8WM8W-5-10U

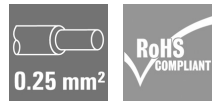
**Weidmüller Interface GmbH & Co. KG**

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, 90&deg; - socket 90&deg;, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">2475251000</a>
Type	SAIL-M8WM8W-5-10U
GTIN (EAN)	4050118486940
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Net weight 310 g

### Technical specifications for cable

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

### General technical data

Coding	B-coded	Connection thread	M8 / M8
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 <sup>8</sup> Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP69K, IP65, IP66	Rated current	3 A
Rated voltage	60 V	Temperature range of housing	-25...+85 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M8: 0.5 - 0.6 Nm
Version	pin, 90°; - socket 90°;		

### Electrical properties

Insulation strength 10<sup>8</sup> Ω      Rated voltage 60 V

### Plug, left

Plug left M8, IP67, male contact, angled 90°, Plastic, unshielded

### Plug, right

Plug right M8, IP67, female contact, angled 90°, Plastic, unshielded

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**Technical data****Classifications**

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	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
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

**Environmental Product Compliance**

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1

**Approvals**

Approvals



Approvals MAMID	<a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a>
ROHS	Conform

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

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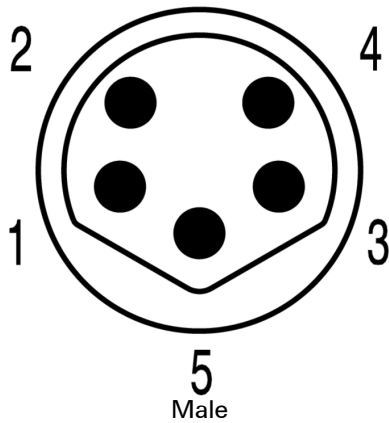
**Drawings**

**Dimensioned drawing**

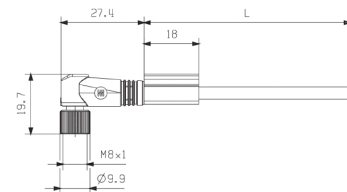


Male, angled

**Pole scheme**

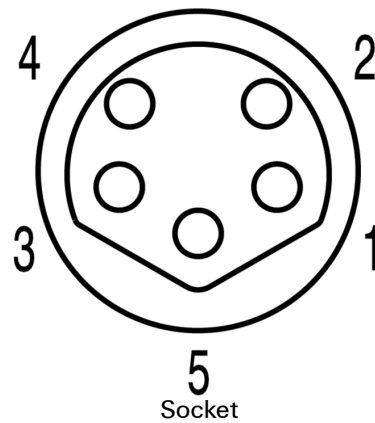


**Dimensioned drawing**



Angled socket

**Pole scheme**



**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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## Accessories

### Tools



- Stripping tools with automatic self-adjustment
- For flexible and solid conductors
- Ideally suitable for mechanical and plant engineering, railway and rail traffic, wind energy, robot technology, explosion protection as well as marine, offshore and ship building sectors
- Stripping length adjustable via end stop
- Automatic opening of clamping jaws after stripping
- No fanning-out of individual conductors
- Adjustable to diverse insulation thicknesses
- Double-insulated cables in two process steps without special adjustment
- No play in self-adjusting cutting unit
- Long service life
- Optimised ergonomic design

### General ordering data

Type	STRIPPER 6-16 RED-LINE	Version
Order No.	<a href="#">9203110000</a>	Stripping and cutting tool
GTIN (EAN)	4032248541423	
Qty.	1 pc(s).	

### Cutting tools



Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

### General ordering data

Type	KT 8	Version
Order No.	<a href="#">9002650000</a>	Cutting tools, Cutting tool for one-hand operation
GTIN (EAN)	4008190020163	
Qty.	1 pc(s).	

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## Accessories

### Blank



TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

Type	TM-I 18 MC NE WS	Version
Order No.	<a href="#">1718431044</a>	TM-I, Insert markers, 18 x 4 mm, white
GTIN (EAN)	4008190349011	
Qty.	320 pc(s).	
Type	TM-I 18 MC NE GE	Version
Order No.	<a href="#">1718431687</a>	TM-I, Insert markers, 18 x 4 mm, yellow
GTIN (EAN)	4008190349028	
Qty.	320 pc(s).	

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**Accessories**
**Screwty® cable gland tool with torque function**

**The ideal tool for any application**

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

**General ordering data**

Type	SAI-SCREWTY BOX	Version	Packaging
Order No.	<a href="#">1939180000</a>	Bolting tool	Plastic case
GTIN (EAN)	4032248615506		+ form
Qty.	1 pc(s).		insert
Type	SCREWTY-M8-DM	Version	Packaging
Order No.	<a href="#">1900011000</a>	Cable gland tool for moulded M8 cables	Cardboard
GTIN (EAN)	4032248436811		box
Qty.	1 pc(s).		

**Tools**

## Sheathing stripper for PVC cables


**General ordering data**

Type	AM 12	Version	
Order No.	<a href="#">9030060000</a>	Tools, Sheathing strippers	
GTIN (EAN)	4008190337827		
Qty.	1 pc(s).		