

## SAIL-M12GM12G-8S10U

**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.

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, Connecting line, M12 / M12, Number of poles : 8, 10 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1279461000</a>
Type	SAIL-M12GM12G-8S10U
GTIN (EAN)	4050118077001
Qty.	1 items

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## Technical data

### Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E307231

### Dimensions and weights

Net weight	573 g
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### Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
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	Yes	Halogen	No
Insulation	PP	Acceleration	5 m/s <sup>2</sup>
Bending radius, min., moving	12 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Bending cycles	1 mill.	Speed	100 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	Colour coding	blue, red, white, brown, green, yellow, grey, pink
Torsion resistance	360 °/m	Temperature range, stationary	-40...80 °C
Resistant to welding beads	No	Temperature range, moving	-25...80 °C
Number of poles	8	Outside diameter	6.3 mm ± 0.2 mm

### General technical data

Coding	A-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	pin, straight - socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	30 V
Nominal current	2 A	AF size	13 mm
Protection degree	IP67, when screwed in, IP65, IP66	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No
Threaded ring material	Brass, nickel-plated	Temperature range of housing	-40 ... +85 °C
Tightening torque	M12: 1.0 Nm		

### Electrical properties

Insulation resistance	108 Ω	Nominal voltage	30 V
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**Technical data**

**General standards**

Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E307231
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**Standards**

Connector standard	IEC 61076-2-101
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**Plug, left**

Plug left	M12, A-coded, IP67, male contact, straight, Plastic, shielded
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**Plug, right**

Plug right	M12, A-coded, IP67, female contact, straight, Plastic, shielded
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**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**



**Dimensioned drawing**



Straight socket

**Pole scheme**



Male

**Pole scheme**



Socket

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# Drawings

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### 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