

**SAIL-M12GM12G-12-10U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

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, Connecting line, M12 / M12, Number of poles : 12, 10 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1964401000</a>
Type	SAIL-M12GM12G-12-10U
GTIN (EAN)	4032248648801
Qty.	1 pc(s).

Creation date February 5, 2024 10:44:56 AM CET

Catalogue status 27.01.2024 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Net weight 405 g

### Technical specifications for cable

Acceleration	5 m/s <sup>2</sup>	Bending cycles	1 mill.
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length		Colour coding	yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue, black
	10 m	Core cross-section	0.14 mm <sup>2</sup>
Configurable cable length	Yes	Halogen	No
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Irradiation crosslinked	No
Insulation	PP	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Number of poles	12	Resistant to welding beads	No
Outside diameter	5.6 mm ± 0.2 mm	Sheathing colour	black
Sheath material	PUR	Speed	5 m/s
Shielded	No	Temperature range, moving	-25...80 °C
Suitable for cable carriers	Yes	Torsion resistance	180 °/m
Temperature range, stationary	-40...80 °C		
Welding spark resistance	No		

### General technical data

AF size	13 mm	Coding	A-coded
Connection thread	M12 / M12	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10 <sup>8</sup> Ω
LED	No	Plugging cycles	≥ 100
Pollution severity		Protection degree	IP65, IP67, IP68, when screwed in
	3	Rated voltage	30 V
Rated current	1.5 A	Temperature range of housing	-40 ... +85 °C
Shock and vibration proof according to	Section B	Tightening torque	M12: 0.8 - 1.2 Nm
Threaded ring material	Brass, nickel-plated	jumpered	No
Version	pin, straight - socket, straight		

### Electrical properties

Insulation strength	10 <sup>8</sup> Ω	Rated current	1.5 A
Rated voltage	30 V		

### General standards

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

### Standards

Connector standard IEC 61076-2-101 Shock and vibration proof according to Section B

### Plug

Plug left	M12, A-coded, IP67, male contact, straight, Plastic, unshielded	Plug right	M12, A-coded, IP67, female contact, straight, 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
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	27060311

**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**

Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a>

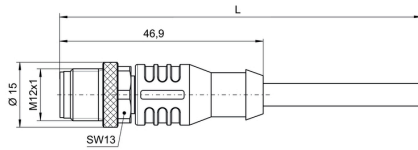
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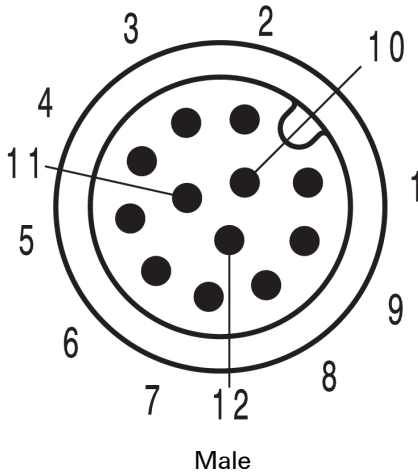
Drawings

Dimensioned drawing



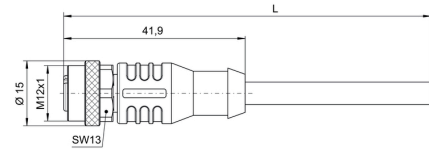
Male, straight

Pole scheme



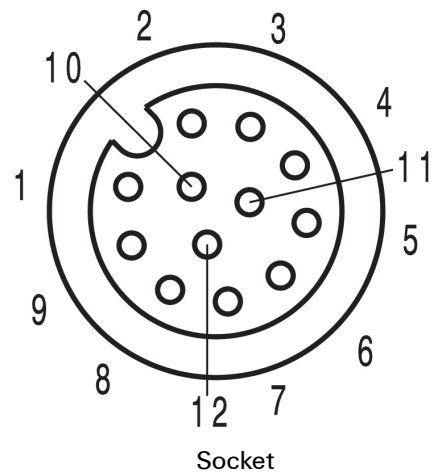
Male

Dimensioned drawing



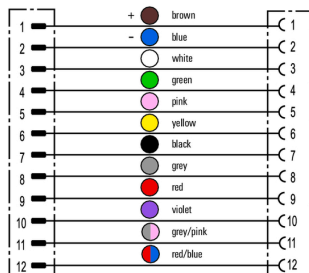
Straight socket

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