

**SAIL-M12G-12S2.7U****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, M12, Number of poles : 12, 2.7 m, pin, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1484820270</a>
Type	SAIL-M12G-12S2.7U
GTIN (EAN)	4050118732955
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Net weight 115 g

## 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	2.7 m	Sheathing colour	black
Shielded	Yes	Halogen	No
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
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Irradiation crosslinked	No	Colour coding	black, yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue
Temperature range, stationary	-40...80 °C	Temperature range, moving	-25...80 °C
Number of poles	12		

## General technical data

Connection thread	M12	Contact surface	Gold-plated
LED	No	Version	pin, straight
Insulation resistance	108 Ω	Nominal voltage	30 V
Nominal current	1.5 A	AF size	13 mm
Protection degree	IP65, IP66	Plugging cycles	≥ 100
jumpered	No	Threaded ring material	Diecast zinc
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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## Plug, left

Plug left connector, M12, A-coded, Number of poles: 12, male contact, straight, shielded

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Plug, right**

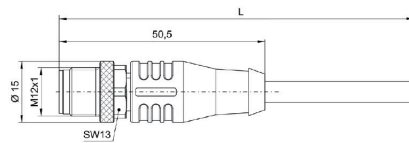
Plug right	free conductor end
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**Classifications**

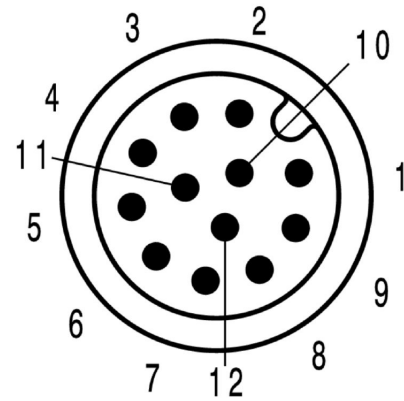
ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11	ECLASS 12.0	27-06-03-11
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

## Drawings

### Dimensioned drawing



### Pole scheme



Male

### Wiring diagram

1	+	brown
2	-	blue
3		white
4		green
5		pink
6		yellow
7		black
8		grey
9		red
10		violet
11		grey/pink
12		red/blue

### 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

