

## SAIL-M12BW-8-50U

**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, One end without connector, M12, Number of poles : 8, 50 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1883465000</a>
Type	SAIL-M12BW-8-50U
GTIN (EAN)	4050118515886
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E307231

## Dimensions and weights

Net weight 2253 g

## Environmental Product Compliance

RoHS Compliance Status Compliant

REACH SVHC Lead 7439-92-1

SCIP e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

## Technical specifications for cable

Cable length	50 m	Sheathing colour	black
Suitable for cable carriers	Yes	Core cross-section	0.25 mm <sup>2</sup>
Number of wires	8	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	1 mill.
Resistance to spread of flame	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)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	No	Colour coding	white, brown, green, yellow, grey, pink, blue, red
Torsion resistance	180 °/m	Temperature range, stationary	-40...90 °C
Resistant to welding beads	No	Temperature range, moving	-30...90 °C
Number of poles	8	Outside diameter	5.9 mm ± 0.2 mm

## General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Socket, angled	Housing main material	TPU
Insulation resistance	≥ 108 Ω	Contact material	CuZn
Nominal voltage	30 V	Nominal current	2 A
AF size	13 mm	Protection degree	IP65, IP67, IP68, when screwed in
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No	Threaded ring material	Brass, nickel-plated
Temperature range of housing	-25...+85 °C	Tightening torque	M12: 1.0 Nm

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### Electrical properties

Insulation resistance	≥ 108 Ω	Nominal voltage	30 V
Rated current	2 A (8-pole) / 1.5 A (12-pole)		

### 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, Number of poles: 8, female contact, angled 0°, plug, unshielded		
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### Plug, right

Plug right	Free conductor end		
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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**

www.weidmueller.com

**Dimensioned drawing**



**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

