

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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: 4, 11 m, pin, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>9456101100</u>
Туре	SAIL-M12G-4-11U
GTIN (EAN)	4050118624519
Qty.	1 pc(s).



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Technical data

Dim	ensions	and	weights
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Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving 10 x cable diamete	
Bending radius, min., stationary	5 x cable diameter	Cable length	11 m
Colour coding	brown, white, blue, black	Configurable cable length	No
Core cross-section	0.34 mm ²	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Irradiation crosslinked	No
LABS-free	Yes	Length of torsion	1 m
Number of poles		Outer cladding in accordance with UL	
	4	AWM style	20549 (80 °C / 300 V)
Outside diameter		Resistance to oils	in accordance with IEC
	$4.7 \text{ mm} \pm 0.2 \text{ mm}$		60811:404
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC		
	60332-2-2		No
Sheath material	PUR	Sheathing colour	black
Shielded	No	Speed	5 m/s
Suitable for cable carriers	Yes	Temperature range, moving	-2580 °C
Temperature range, stationary	-4080 °C	Torsion resistance	360 °/m
Welding spark resistance	No		

General technical data

Connection thread	M12	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength $10^8 \Omega$	
LED	No	Plugging cycles	≥ 100
Pollution severity		Protection degree	IP65, IP66, IP67, IP68,
	3		when screwed in, IP69
Rated current	4 A	Rated voltage	250 V
Temperature range of housing	-25+85 °C	Threaded ring material	Diecast zinc
Version	pin, straight	jumpered	No

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	250 V

Plug, left

Plug left	M12, A-coded, IP69, male
	contact, straight, Plastic,
	unshielded

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
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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Approvals

Approvals



ROHS	Conform		
Downloads			

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format



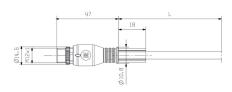
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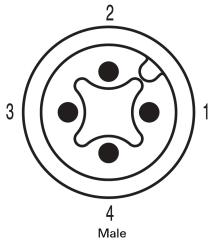
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Drawings

Dimensioned drawing

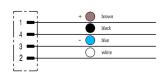


Pole scheme



The ideal tool: Screwty ® with torque function

Wiring diagram





Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F