

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com















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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**

Sensor/actuator line, Connecting line, M12 / M8 Number of poles : 3, 1.5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No	
9457770150	
SAIL-M12GM8G-3-1.5U	
4032248336234	
1 items	





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## Technical data

Technical data			
Approvals			
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Approvals	$\epsilon$		
ROHS	Conform		
Dimensions and weights			
Diameter	3.6 mm	Net weight	40.48 g
Environmental Product Comp	liance		
RoHS Compliance Status	Compliant with exemption		
RoHS Exemption (if applicable/known)	6c		
REACH SVHC	Lead 7439-92-1		
SCIP	1c533b66-fcff-4da5-b89f-fd	55fbf5cb55	
Technical specifications for ca	able		
Cable length	1.5 m	Sheathing colour	black (similar to RAL 9005)
Resistance to oils	Yes	Suitable for cable carriers	Yes
Core cross-section	0.25 mm <sup>2</sup>	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	5 Mio
Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2	Speed	3.33 m/s
Sheath material	PUR	Configurable cable length	No
Hydrolysis and microbe resistant	Yes	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
Welding spark resistance	No	Drain wire integrated	No
Colour coding	brown, blue, black	Torsion resistance	180 °/m
Temperature range, stationary	-5080 °C	Resistant to welding beads	No
Bending cycles at torsion	> 5 Mio.	Temperature range, moving	-2560 °C
Length of torsion	1 m	Number of poles	3
Outside diameter	3.6 mm + 0.15 mm		
General technical data			
Coding	M12 = A-coded / M8 = none	Connection thread	M12 / M8
Contact surface	Gold-plated	LED	No
Version	pin, straight - socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	60 V
Nominal current	4 A	AF size	12 mm
Protection degree	IP65, IP66, IP67, IP68,	Plugging cycles	≥ 100

Creation date 02.12.2025 03:45:25 MEZ

Pollution severity

Threaded ring material

Catalogue status / Drawings 2

jumpered

Temperature range of housing

No

-25...+85 °C

IP69, when screwed in

Brass, nickel-plated,

Diecast zinc

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# **Technical data**

Tightening torque	M8: 0.5 - 0.6 Nm, M12:
	0.8 - 1.2 Nm

### **Electrical properties**

Insulation resistance	108 Ω	Nominal voltage	60 V

### **General standards**

Connector standard	IEC 61076-2-101, IEC
	61076 2 104

## **Standards**

Connector standard	IEC 61076-2-101, IEC	
	61076 2 104	

## Plug, left

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

## Plug, right

Plug right	M8, IP69, female contact,	
	straight, Plastic, LED,	
	unahialdad	

### 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		

Catalogue status / Drawings



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# **Drawings**

## **Dimensioned drawing**

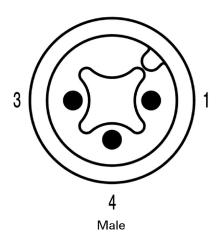
## **Dimensioned drawing**

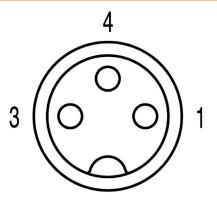
Male, straight

Straight socket

## Pole scheme

# Pole scheme





Socket





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**Drawings** 

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