

#### 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, M8, Number of poles: 3, 3.5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	9457450350
Туре	SAIL-M8BG-3-3.5U
GTIN (EAN)	4032248670086
Qty.	1 pc(s).

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# **Technical data**

## **Dimensions and weights**

Net weight 80 g

#### **Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

## **Technical specifications for cable**

Acceleration	5 m/s <sup>2</sup>
Bending cycles	12 Mio
Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter
Cable length	3.5 m
Colour coding	brown, blue, black
Configurable cable length	No
Core cross-section	0.25 mm <sup>2</sup>
Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No
Housing main material	PUR
Hydrolysis and microbe resistant	Yes
Insulation	PP
Number of poles	3
Number of poles	3
Outer cladding in accordance with UL AWM style	20233/21198 (80 °C / 300 V)
Outer diameter	$4.1 \pm 0.2 \text{ mm}$
Outside diameter	$4.1 \text{ mm} \pm 0.2 \text{ mm}$
Outside diameter	Diameter 4.1 mm
	Signs ±
	Tolerance 0.2 mm
Resistance to oils	in accordance with IEC 60811:404
Resistance to spread of flame	In accordance with UL1581 UL/ CUL FT1, in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2
Resistant to welding beads	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, moving, max.	2° 08
Temperature range, moving, min.	-25 °C
Temperature range, stationary	-4080 °C
Temperature range, stationary, max.	20 08
Temperature range, stationary, min.	-40 °C
Torsion resistance	360 °/m



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#### **General technical data**

AF size	12 mm	Coding	none
Connection thread	M8	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, IP66, IP67, IP68,
	3		when screwed in
Rated current	4 A	Rated voltage	60 V
Temperature range of housing	-25+80 °C	Threaded ring material	Brass, nickel-plated
Tightening torque	M8: 0.5 - 0.6 Nm	Version	Female socket, straight
jumpered	No		

#### Classifications

ETIM 6.0	EC001855	ETIM 7.0	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

#### **Approvals**

Approvals



ROHS	Conform	
UL File Number Search	E307231	

## **Downloads**

Engineering Data	<u>STEP</u>	
Engineering Data	EPLAN, WSCAD	



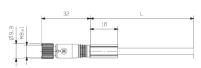
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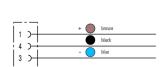
## **Drawings**

## **Dimensioned drawing**

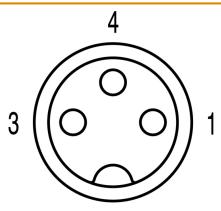


Straight socket

## Wiring diagram



## Pole scheme



Socket

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