

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, Connecting line, M12 / M12, Number of poles: 3, 0.3 m, Twin cabling, pin, straight, 2x socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1005460030
Туре	SAIL-ZW-M12BG-3-0.3U
GTIN (EAN)	4032248811540
Qty.	1 pc(s).



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Technical data

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Net weight	46.4 g		
Technical specifications for c	able		
Acceleration	5 m/s ²	Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	0.3 m
Colour coding	brown, 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	LABS-free	Yes
Length of torsion	1 m	Number of poles	3
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Outside diameter	4.3 mm ± 0.2 mm
Resistance to oils		Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2,
	in accordance with IEC 60811:404		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, stationary	-4080 °C
Torsion resistance	360 °/m	Welding spark resistance	No
General technical data	12 mm	Coding	Acadad
AF size Connection thread		Coding Contact surface	A-coded
Housing main material	M12 / M12	Insulation strength	Gold-plated
	PUR	<u> </u>	10 ⁸ Ω
LED	No	Plugging cycles	≥ 100
Pollution severity	3	Protection degree	IP67, IP68, when screwed in, IP65, IP66
Rated current	4 A	Rated voltage	250 V
Temperature range of housing	-25+85 °C	Threaded ring material	Diecast zinc
Tightening torque	M12: 0.8 - 1.2 Nm	Version	Twin cabling, pin, straight, 2x socket, straight
jumpered	No		
Electrical properties			
Insulation strength	10 ⁸ Ω	Rated voltage	250 V
General standards			
Certificate No. (CSA)	200039-2372994	Certificate no. (cULus)	E307231
Connector standard	IEC 61076-2-101		
Standards			
Connector standard	IEC 61076-2-101		



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Technical data

Plug

Plug left	Plug right	M12, A-coded, IP68,
		female contact, straight,
		Plastic, unshielded, M12,
1	VI12, A-coded, IP68, male	A-coded, IP68, female
	contact, straight, Plastic,	contact, straight, Plastic,
ı	unshielded	unshielded

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	27-06-03-13
ECLASS 10.0	27-06-03-11	ECLASS 11.0	27-06-03-11
ECLASS 12.0	27-06-03-11	ECLASS 13.0	27060311

Environmental Product Compliance

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

Approvals

Approvals



ROHS	Conform	
UL File Number Search	UL Website	
Certificate no. (cULus)	E307231	

Downloads

Engineering Data	CAD data – STEP
Product Change Notification	DE - Technische Änderung zu M12 Gewindering mit 6-Kant EN - Technical change to M12 nut with additional hexagonal mounting
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN



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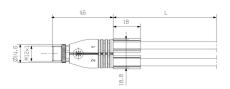
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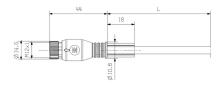
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Drawings

Dimensioned drawing

Dimensioned drawing



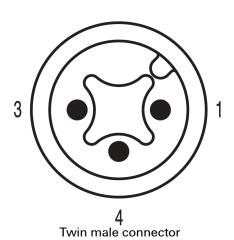


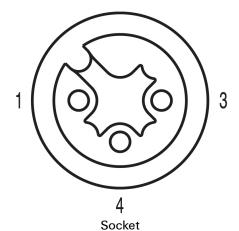
Twin male connector, straight

TWITT THATC CONTINUE (OI, Straight

Straight socket

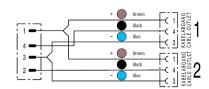
Pole scheme Pole scheme





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