

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

Version	Sensor/actuator line, One end without connector, M12, Number of poles: 3, 3 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1092900300
Туре	SAIL-M12BG-2/4-3.0UGE
GTIN (EAN)	4032248866007
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2025-11-29T00:00:00+01:00



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Technical data

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Approvals



ROHS Conform

Dimensions and weights

Net weight 88 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Technical specifications for cable

Cable length	3 m	Sheathing colour	yellow
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.34 mm ²	Shielded	No
Halogen	No	Insulation	PP
Acceleration	5 m/s²	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 UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2	Speed	5 m/s
Sheath material	PUR	Configurable cable length	No
LABS-free	Yes	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
Colour coding	brown, blue, black	Torsion resistance	360 °/m
Temperature range, stationary	-4080 °C	Resistant to welding beads	No
Bending cycles at torsion	> 5 Mio.	Temperature range, moving	-2580 °C
Length of torsion	1 m	Number of poles	3
Outside diameter	4.3 mm ± 0.2 mm		

General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Female socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	250 V
Nominal current	4 A	Protection degree	IP67, IP68, when screwed in, IP65, IP66
Plugging cycles	≥ 100	Pollution severity	3
jumpered	2/4	Threaded ring material	Brass, nickel-plated
Temperature range of housing	-25+85 °C	Tightening torque	M12: 0.8 - 1.2 Nm

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Technical data

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108 Ω	Nominal voltage	250 V
IEC 61076-2-101		
		'
IEC 61076-2-101		
M12, A-coded, IP69, female contact, straight, Plastic, unshielded		
		,
free conductor end		
		,
EC001855	ETIM 7.0	EC001855
		EC001855
		27-06-03-11
		27-06-03-11
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27-06-03-11	ECLASS 14.0	27-06-03-11
27-06-03-11		
	IEC 61076-2-101 M12, A-coded, IP69, female contact, straight, Plastic, unshielded free conductor end EC001855 EC001855 EC001855 27-06-03-11 27-06-03-11	IEC 61076-2-101 M12, A-coded, IP69, female contact, straight, Plastic, unshielded free conductor end EC001855 ETIM 7.0 EC001855 ETIM 9.0 ECLASS 9.0 27-06-03-11 ECLASS 10.0 27-06-03-11 ECLASS 12.0 ECLASS 14.0



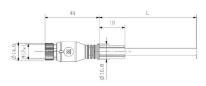
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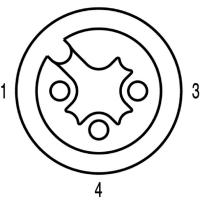
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Drawings

Dimensioned drawing



Pole scheme



Socket

Wiring diagram





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Accessories

Cutting tools



Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

 Type
 KT 8
 Version

 Order No.
 9002650000
 Cutting tools, Cutting tool for one-hand operation

 GTIN (EAN)
 4008190020163

Tools

Qty.



Sheathing stripper for PVC cables

General ordering data

Type AM 12 Version
Order No. 9030060000 Tools, Sheathing strippers
GTIN (EAN) 4008190337827
Oty. 1 ST

Screwty® cable gland tool with torque function



The ideal tool for any application Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.



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Accessories

General ordering data

Type	SCREWTY-M12-DM	Version
Order No.	<u>1900001000</u>	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 ST	
Туре	SCREWTY SW12	Version
Order No.	<u>2598970000</u>	Interchangeable blade for cable gland tool
GTIN (EAN)	4050118781151	
Qty.	1 ST	
Туре	SAI-SCREWTY BOX	Version
Order No.	<u>1939180000</u>	Bolting tool
GTIN (EAN)	4032248615506	
Qty.	1 ST	

Tools



- Stripping tools with automatic self-adjustment
- For flexible and solid conductors
- Ideally suitable for mechanical and plant engineering, railway and rail traffic, wind energy, robot technology, explosion protection as well as marine, offshore and ship building sectors
- Stripping length adjustable via end stop
- Automatic opening of clamping jaws after stripping
- No fanning-out of individual conductors
- Adjustable to diverse insulation thicknesses
- Double-insulated cables in two process steps without special adjustment
- No play in self-adjusting cutting unit
- Long service life
- Optimised ergonomic design

General ordering data

Туре	STRIPPER 6-16 RED-LINE	Version
Order No.	9203110000	Stripping and cutting tool
GTIN (EAN)	4032248541423	
Qty.	1 ST	



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Accessories

Blank



TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Preattachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-lnk or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Туре	TM-I 18 MC NE WS	Version
Order No.	<u>1718431044</u>	TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white
GTIN (EAN)	4008190349011	
Qty.	320 ST	
Туре	TM-I 18 MC NE GE	Version
Order No.	<u>1718431687</u>	TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, yellow
GTIN (EAN)	4008190349028	
Qty.	320 ST	

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