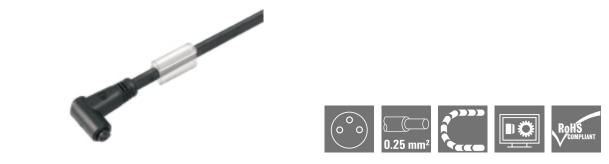


Weidmüller Interface GmbH & Co. KG

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 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1827010300</u>
Туре	SAIL-M8BWR-3-3.0U
GTIN (EAN)	4032248331161
Qty.	1 pc(s).

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Technical data



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Dimensions and weights			
Net weight	74 g		
Environmental Product Cor	5		
REACH SVHC	Lead 7439-92-1		
Technical specifications fo	r cable		
		.	
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	3 m
Colour coding	brown, blue, black	Configurable cable length	No
Core cross-section	0.25 mm ²	Core in accordance with UL AWM style	
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Length of torsion	1 m
Number of poles	3	Outer cladding in accordance with UL AWM style	20233/21198 (80 °C 300 V)
Outside diameter	4.1 mm ± 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	Resistant to welding beads	
	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
General technical data			
Ca dia a	Δ	Comparison thread	MO
Coding	<u>A</u>	Connection thread	M8
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65 (in plugged condition)	Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-40 +85 ° C
Thus a ded vin a masterial		Manalan	

Electrical properties

Threaded ring material

jumpered

Insulation strength	10 ⁸ Ω	Rated voltage	60 V
General standards			
Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-104
Standards			
Connector standard	IEC 61076-2-104		

Version

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PUR

No

Socket, angled



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Technical data

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	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

Approval	s



ROHS Conform UL File Number Search E307231

Downloads

Engineering Data	EPLAN, WSCAD	
Catalogues	Catalogues in PDF-format	
Brochures	FL FIELDWIRING EN	

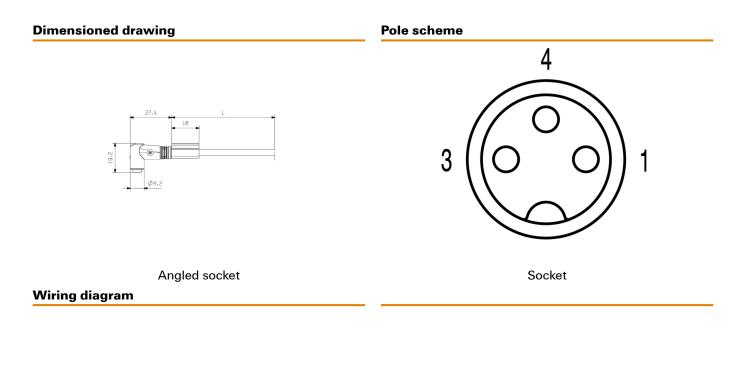
Drawings

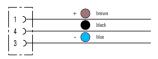


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Accessories

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 also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

Туре	KT 8	Version
Order No.	<u>9002650000</u>	Cutting tools, Cutting
GTIN (EAN)	4008190020163	
Qty.	1 pc(s).	

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-Ink 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

 Type
 TM-I
 18 MC NE WS

 Order No.
 1718431044

 GTIN (EAN)
 4008190349011

 Qty.
 320 pc(s).

TM-I, Insert markers, 18 x 4 mm, white

tool for one-hand operation

320 pc(s).

Version

Creation date January 28, 2022 7:27:05 AM CET



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Accessories

Туре	TM-I 18 MC NE GE	Version
Order No.	<u>1718431687</u>	TM-I, Insert markers, 18 x 4 mm, yellow
GTIN (EAN)	4008190349028	
Qty.	320 pc(s).	

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.

General ordering data

_		
Туре	SCREWTY-M12-DM	Version
Order No.	<u>1900001000</u>	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 pc(s).	
Туре	SAI-SCREWTY BOX	Version
Order No.	<u>1939180000</u>	Bolting tool
GTIN (EAN)	4032248615506	
Qty.	1 pc(s).	
Туре	SAI-SCREWTY BOX	

Accessories



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 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 lifeOptimised ergonomic design

General ordering data

Туре	STRIPPER 6-16 RED-LINE	Version
Order No.	<u>9203110000</u>	Stripping and cutting tool
GTIN (EAN)	4032248541423	
Qty.	1 pc(s).	

Tools



Sheathing stripper for PVC cables

General ordering data

Туре	AM 12	Version
Order No.	<u>9030060000</u>	Tools, Sheathing strippers
GTIN (EAN)	4008190337827	
Qty.	1 pc(s).	

Mouser Electronics

Authorized Distributor

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Weidmuller: <u>1827010300</u>