

#### 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, M8 / M8, Number of poles : 4, 10 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No	
Order No.	<u>1880471000</u>	
Туре	SAIL-M8GM8G-4-10U	
GTIN (EAN)	4032248481286	
Qty.	1 pc(s).	

Creation date January 28, 2022 11:24:46 PM CET

# **Technical data**



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Net weight	256 g		
Environmental Product Comp	liance		
REACH SVHC	Lead 7439-92-1		
Technical specifications for c	able		
Acceleration	E m (a)	Dending evelop	12 Mio
Acceleration Bending cycles at torsion	5 m/s <sup>2</sup> > 5 Mio.	Bending cycles Bending radius, min., moving	12 MIO 10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	10 x cable diameter
Colour coding	brown, white, blue, black	Configurable cable length	No
Core cross-section	0.25 mm <sup>2</sup>	Core in accordance with UL AWM style	
Halogen	No	Hydrolysis and microbe resistant	Yes
nsulation	PP	LABS-free	Yes
Length of torsion	1 m	Number of poles	4
Outer cladding in accordance with UL		Outside diameter	
AWM style	20233 (80 °C / 300 V)		$4.4 \text{ mm} \pm 0.2 \text{ mm}$
Resistance to oils	in accordance with IEC	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
	60811:404		60332-2-2
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	No
	5 m/s -2580 °C	Suitable for cable carriers	Yes -4080 °C
Temperature range, moving Torsion resistance	360 °/m	Temperature range, stationary	-4080 C
General technical data			
Coding	A	Connection thread	M8 / M8
Contact surface	Gold-plated	Housing main material	PUR
nsulation strength	10 <sup>8</sup> Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68,	Rated current	
	when screwed in, IP69		4 A
Rated voltage	30 V	Temperature range of housing	-40 +85 ° C
Threaded ring material Version	Brass, nickel-plated	Tightening torque	M8: 0.5 - 0.6 Nm
version	pin, straight - socket, straight	jumpered	No
Electrical properties			
nsulation strength	10 <sup>8</sup> Ω	Rated voltage	30 V
General standards			
Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-104
Standards			
Connector standard	IEC 61076-2-104		

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Catalogue status 14.01.2022 / We reserve the right to make technical changes.



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### 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

Approvals



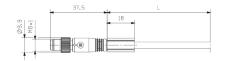
ROHS

### Downloads

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

### Drawings

### **Dimensioned drawing**



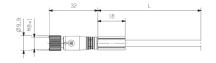


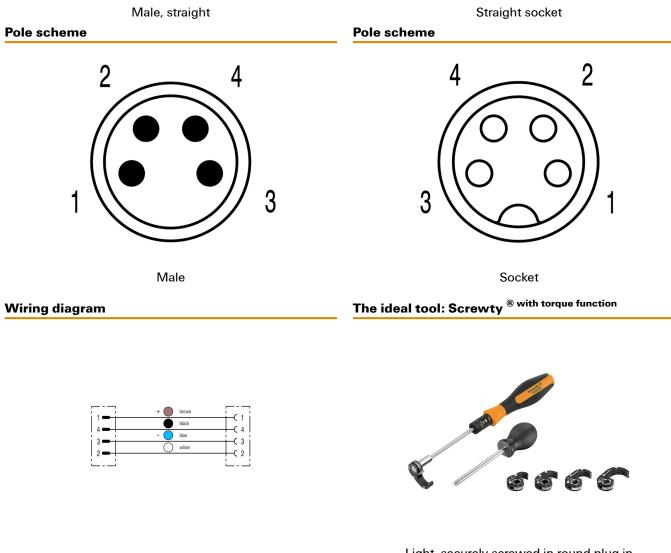
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### **Dimensioned drawing**





Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

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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	КТ 8	Version
Order No.	<u>9002650000</u>	Cutting tools, Cutting tool for one-hand operation
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

Version



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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

## Accessories



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<ul> <li>Stripping tools with automatic self-adjustment</li> <li>For flexible and solid conductors</li> <li>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</li> <li>Stripping length adjustable via end stop</li> <li>Automatic opening of clamping jaws after stripping</li> <li>No fanning-out of individual conductors</li> </ul>
<ul> <li>Adjustable to diverse insulation thicknesses</li> </ul>
Adjustable to diverse insulation thicknesses     Double-insulated cables in two process steps without
special adjustment
<ul> <li>No play in self-adjusting cutting unit</li> </ul>
Long service life
Optimised 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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Weidmuller: <u>1880471000</u>