

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: 3, 0.3 m, pin, 90° - socket 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1857670034</u>
Туре	SAIL-M8WM8W-3-0.34U
GTIN (EAN)	4032248831968
Qty.	1 pc(s).



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Technical data

Net weight	18.16 g		
Technical specifications for c	able		
Acceleration	5 m/s²	Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.	Bending cycles 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	0.25 mm ²	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Irradiation crosslinked	No
Length of torsion	1 m	Number of poles	3
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Outside diameter	4.1 mm ± 0.2 mm
Resistance to oils	in accordance with IEC 60811:404	Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2
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			
	A 1 1		NAO / NAO
Coding	A-coded	Connection thread	M8 / M8 PUR
Contact surface	Gold-plated	Housing main material LED	
Insulation strength	10 ⁸ Ω	 	No
Plugging cycles Protection degree	≥ 100 IP65, IP66, IP67, IP68, when screwed in, IP69	Pollution severity Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-25+85 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M8: 0.5 - 0.6 Nm
Version	pin, 90° - socket 90°	jumpered	No
Electrical properties			
Insulation strength	10 ⁸ Ω	Rated voltage	60 V
General standards			
	5007001		JEO 04072 2 45 1
Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-104
Standards			
Connector standard	IEC 61076-2-104		
Plug, left			
Plug left	M8, IP69, male contact, angled 90°, Plastic, un- shielded		



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Technical data

Plug, right

M8, IP69, female contact,
angled 90°, Plastic, un-
shielded

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	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	ECLASS 12.0	27-06-03-11
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	<u>FL FIELDWIRING EN</u>



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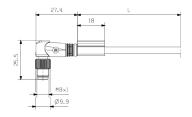
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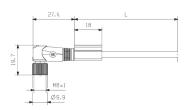
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Drawings

Dimensioned drawing

Dimensioned drawing

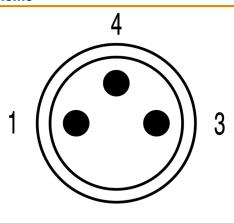




Male, angled

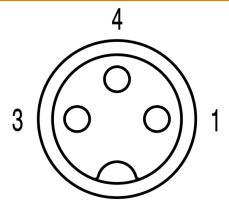
Angled socket

Pole scheme



Male

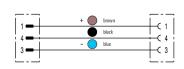
Pole scheme



Socket

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



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Accessories

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-M8-DM	Version	Packaging
Order No.	<u>1900011000</u>	Cable gland tool for moulded M8 cables	Cardboard
GTIN (EAN)	4032248436811		box
Qty.	1 pc(s).		
Туре	OALOODENEEN/ BOW		
Type	SAI-SCREWTY BOX	Version	Packaging
Order No.	1939180000	Version Bolting tool	Packaging Plastic case



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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-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

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 pc(s).	
Туре	TM-I 18 MC NE WS	Version
Type Order No.	TM-I 18 MC NE WS 1718431044	Version TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white



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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

Туре Order No. 9002650000 GTIN (EAN) 4008190020163

1 pc(s).

Version

Cutting tools, Cutting tool for one-hand operation

Tools

Qty.

Sheathing stripper for PVC cables



General ordering data

AM 12 Туре Order No. 9030060000

GTIN (EAN) 4008190337827

Qty. 1 pc(s). Version

Tools, Sheathing strippers



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Accessories

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

Type STRIPPER 6-16 RED-LINE Version
Order No. 9203110000 Strippin

GTIN (EAN) 4032248541423

Qty. 1 pc(s).

Stripping and cutting tool