

**SAIL-M12BG-PB-0.5D****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, EtherCAT and Ethernet.

**General ordering data**

Version	Bus line, One end without connector, M12, Number of poles: 2, 0.5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1873320050</a>
Type	SAIL-M12BG-PB-0.5D
GTIN (EAN)	4032248544776
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Net weight	46 g
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**Technical specifications for cable**

Acceleration	5 m/s <sup>2</sup>	Bending cycles	2 Mio
Bending radius, min., moving	12 x cable diameter	Bending radius, min., stationary	7.5 x cable diameter
Cable length	0.5 m	Colour coding	red, green
Configurable cable length	No	Core cross-section AWG	AWG 24
Halogen	No	Hybrid cable	No
Insulation	TPE	Irradiation crosslinked	No
Number of poles	2	Outer cladding in accordance with UL AWM style	20236 (80 °C / 30 V)
Outside diameter	7.8 mm ± 0.2 mm	Resistant to welding beads	No
Sheath material	PUR	Sheathing colour	violet
Shielded	Yes	Speed	3 m/s
Suitable for cable carriers	Yes	Temperature range, moving	-20...60 °C
Temperature range, stationary	-40...70 °C	Welding spark resistance	No
Wire cross section (Print/Online)	PUR 0.25 mm <sup>2</sup> / PVC 0.34 mm <sup>2</sup>		

**General technical data**

Coding	B-coded	Connection thread	M12
Contact material	Ni/Au	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10 <sup>8</sup> Ω
LED	No	Plugging cycles	≥ 100
Pollution severity	3	Protection degree	IP67
Rated current	4 A	Rated voltage	250 V
Temperature range of housing	-25...+80 °C	Threaded ring material	Brass, nickel-plated
Tightening torque	M12: 0.8 - 1.2 Nm	Version	Female socket, straight
jumped	No		

**Electrical properties**

Insulation strength	10 <sup>8</sup> Ω	Rated voltage	250 V
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**General standards**

Certificate no. (cULus)	E307231
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**Plug, left**

Plug left	M12, B-coded, IP67, female contact, straight, Plastic, shielded
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**Plug, right**

Plug right	free conductor end
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ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ECLASS 9.0	27-06-03-08	ECLASS 9.1	27-06-03-08
ECLASS 10.0	27-06-03-08	ECLASS 11.0	27-06-03-08
ECLASS 12.0	27-06-03-08	ECLASS 13.0	27-06-03-08

**Environmental Product Compliance**

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

**Important note**

Product information	According to the PROFIBUS user organisation, PROFIBUS lines $\leq 1$ m are to be avoided for transmission speeds of 1.5 MB or higher.
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**Approvals**

Approvals



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

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a>

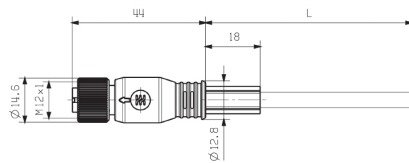
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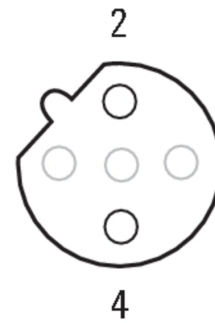
## Drawings

### Dimensioned drawing



Socket

### 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

Type	SCREWTY-M12-DM	Version	Packaging
Order No.	<a href="#">1900001000</a>	Cable gland tool for moulded M12 lines	Cardboard box
GTIN (EAN)	4032248436408		
Qty.	1 pc(s).		
Type	SAI-SCREWTY BOX	Version	Packaging
Order No.	<a href="#">1939180000</a>	Bolting tool	Plastic case
GTIN (EAN)	4032248615506		+ form
Qty.	1 pc(s).		insert

### 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.	<a href="#">9203110000</a>	Stripping and cutting tool
GTIN (EAN)	4032248541423	
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**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.	<a href="#">9002650000</a>	Cutting tools, Cutting tool for one-hand operation
GTIN (EAN)	4008190020163	
Qty.	1 pc(s).	

**Tools**

Sheathing stripper for PVC cables

**General ordering data**

Type	AM 12	Version
Order No.	<a href="#">9030060000</a>	Tools, Sheathing strippers
GTIN (EAN)	4008190337827	
Qty.	1 pc(s).	