

**SAIL-M12BG-4-10T**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergsstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://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, M12, Number of poles : 4, 10 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1968581000</a>
Type	SAIL-M12BG-4-10T
GTIN (EAN)	4032248669899
Qty.	1 pc(s).

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

Net weight	345 g
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**Technical specifications for cable**

Acceleration	5 m/s <sup>2</sup>	Bending cycles	10 Mio
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Cable length	10 m	Colour coding	brown, white, blue, black
Configurable cable length	No	Core cross-section	0.34 mm <sup>2</sup>
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	4
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	Outside diameter	4.9 mm ± 0.2 mm
Resistant to welding beads	Yes	Sheath material	PUR
Sheathing colour	black	Shielded	No
Speed	200 m/s	Suitable for cable carriers	Yes
Temperature range, moving	-30...105 °C	Temperature range, stationary	-40...105 °C
Torsion resistance	360 °/m	Welding spark resistance	Yes

**General technical data**

Coding	A-coded	Connection thread	M12
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, IP68, when screwed in, IP65, IP66	Rated current	4 A
Rated voltage	250 V	Temperature range of housing	-25...+85 °C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	Female socket, straight	jumpered	No

**Electrical properties**

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

Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-101
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**Standards**

Connector standard	IEC 61076-2-101
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**Plug**

Plug left	M12, A-coded, IP69, female contact, straight, Plastic, unshielded	Plug right	free conductor end
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**Classifications**

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	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	27060311

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**Technical data****Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fb5cb55

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E307231

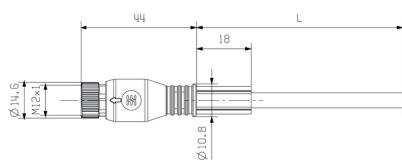
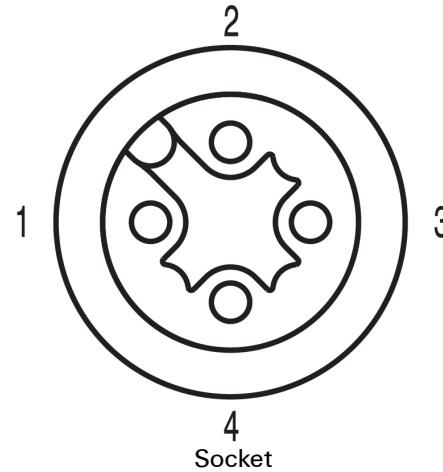
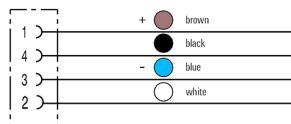
**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">DE - Technische Änderung zu M12 Gewindering mit 6-Kant</a> <a href="#">EN - Technical change to M12 nut with additional hexagonal mounting</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a>

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**Drawings****Dimensioned drawing****Pole scheme****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