SAIL-M12GM12G-12-10U

Product image

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, M12 / M12, Number of poles : 12, 10 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1964401000
Type	SAIL-M12GM12G-12-10U
GTIN (EAN)	4032248648801
Qty.	1 pc(s).

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SAIL-M12GM12G-12-10U

Technical data

Dimensions and weights

Net weight	405 g

Technical specifications for cable

Acceleration	5 m/s²	Bending cycles	1 mill.
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	10 m	Colour coding	yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue, black
Configurable cable length	Yes	Core cross-section	0.14 mm²
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Halogen	No
Insulation	PP	Irradiation crosslinked	No
Number of poles	12	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Outside diameter	5.6 mm ± 0.2 mm	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	-25...80 °C
Temperature range, stationary	-40...80 °C	Torsion resistance	180 °/m
Welding spark resistance	No		

General technical data

AF size	13 mm	Coding	A-coded
Connection thread	M12 / M12	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10^8 Ω
LED	No	Plugging cycles	≥ 100
Pollution severity	3	Protection degree	IP65, IP67, IP68, when screwed in
Rated current	1.5 A	Rated voltage	30 V
Shock and vibration proof according to	Section B	Temperature range of housing	-40 ... +85 ° C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, straight	jumpered	No

Electrical properties

Insulation strength	10^8 Ω	Rated current	1.5 A
Rated voltage	30 V		

General standards

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

Standards

Connector standard	IEC 61076-2-101	Shock and vibration proof according to	Section B

Plug, left

Plug left	M12, A-coded, IP67, male contact, straight, Plastic, unshielded

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Technical data

Plug, right

Plug right	M12, A-coded, IP67, female contact, straight, Plastic, unshielded

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	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Approvals

Approvals	C E cULus LISTED UKCA
Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

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SAIL-M12GM12G-12-10U

Drawings

Dimensioned drawing
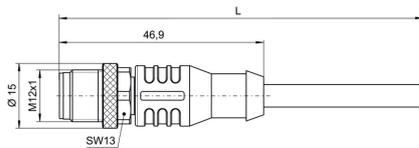
Male, straight
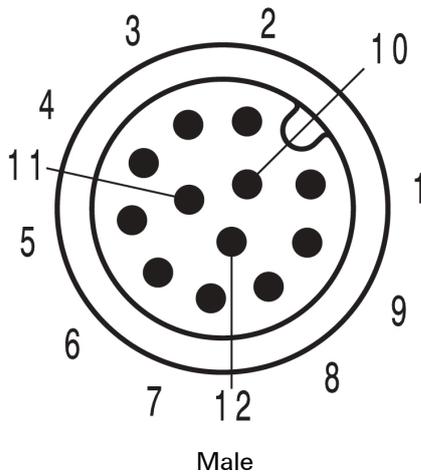
Dimensioned drawing
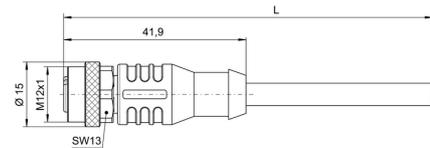
Straight socket

Pole scheme

Male

Pole scheme

Socket

Wiring diagram

1	+	brown	1	
2	−	blue	2	
3		white	3	
4		green	4	
5		pink	5	
6		yellow	6	
7		black	7	
8		grey	8	
9		red	9	
10		violet	10	
11		grey/pink	11	
12		red/blue	12	
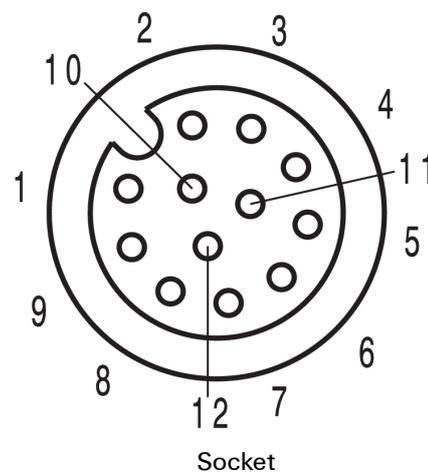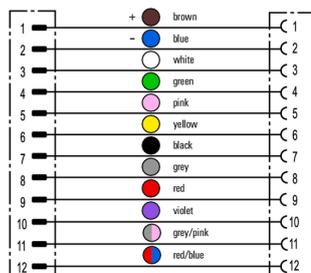
The ideal tool: Screwty $^{®}$ with torque function

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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Catalogue status 07.06.2025 / We reserve the right to make technical changes.

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