SAIL-M12G-8-0.6U

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 : 8, 0.6 m, pin, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1279410060
Type	SAIL-M12G-8-0.6U
GTIN (EAN)	4050118516869
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	36 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	0.6 m	Colour coding	blue, red, white, brown, green, yellow, grey, pink
Configurable cable length	No	Core cross-section	0.25 mm²
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Halogen	No
Insulation	PP	Irradiation crosslinked	No
Number of poles	8	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Outside diameter	5.9 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	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10^8 Ω
LED	No	Plugging cycles	≥ 100
Pollution severity	3	Protection degree	IP67, when screwed in, IP65, IP66
Rated current	2 A	Rated voltage	30 V
Temperature range of housing	-40 ... +85 ° C	Threaded ring material	Brass, nickel-plated
Tightening torque	M12: 0.8 - 1.2 Nm	Version	pin, straight
jumpered	No		

Electrical properties

Insulation strength	10^8 Ω	Rated current	2 A (8-pole) / 1.5 A (12-pole)
Rated voltage	30 V		

General standards

Certificate no. (cULus)	E307231

Plug, left

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

Plug, right

Plug right	free conductor end

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Technical data

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	27-06-03-11
ECLASS 14.0	27-06-03-11		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

Approvals

Approvals

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

Downloads

Catalogues	Catalogues in PDF-format

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Catalogue status 17.08.2024 / We reserve the right to make technical changes.

SAIL-M12G-8-0.6U

Drawings

Dimensioned drawing

Pole scheme

Male

Wiring diagram

1		○	white
2	+	●	brown
3		●	green
4		●	yellow
5		●	grey
6		○	pink
7	-	●	blue
8		●	red
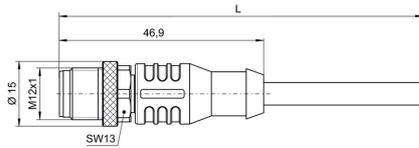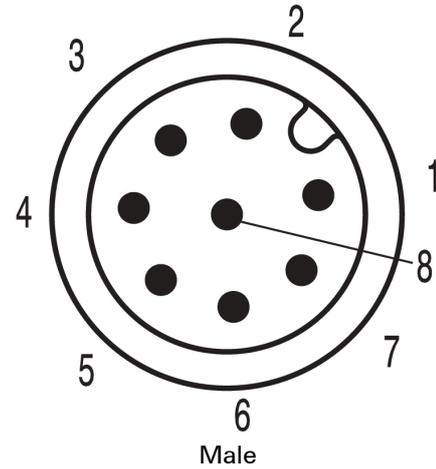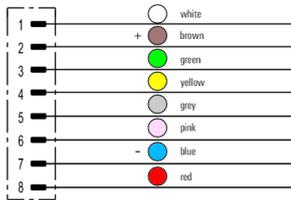
The ideal tool: Screwty ® with torque function

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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