

SAIL-M12GM12G-5-10UN

M12 male to female straight, 5 pole PUR



Overview

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.

General Ordering Data

Version	Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 5, 10 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1022771000
Type	SAIL-M12GM12G-5-10UN
Qty	1 pc(s)

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Technical Data

Technical specifications for cable

Acceleration	5 m/s ²
Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.
Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter
Cable length	10 m
Configurable cable length	No
Color coding	grey, brown, black, blue, white
Core cross-section	0.34 mm ²
Halogen	No
Insulation	PP
LABS-free	Yes
Number of poles	5
Outside diameter	5.0 mm ± 0.2 mm
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2
Resistant to welding beads	No
Sheath material	PUR
Sheathing color	black
Shielded	No
Suitable for cable carriers	Yes
Temperature range, moving	-25...80 °C
Temperature range, stationary	-50...80 °C
Welding spark resistance	No

Electrical properties

Insulation strength	10 ⁸ Ω
Rated voltage	60 V

General standards

Certificate no. (cURus)	E307231
Connector standard	IEC 60754-1

General technical data

Coding	A
Connection thread	M12 / M12
Contact surface	CuSn / CuAu
Housing main material	PUR
Insulation strength	10 ⁸ Ω
LED	No
Plugging cycles	≥ 100
Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68, when screwed in, IP69
Rated current	4 A
Rated voltage	60V, 30V AC/DC (UL)
Shock and vibration proof	according to Section B
Temperature range of housing	-40 ... +90 °C
Tightening torque	M12: 0.8 - 1.2 Nm
Threaded ring material	CuZn / Ni
Version	Pin straight, Socket, straight
Jumpered	No

Approvals



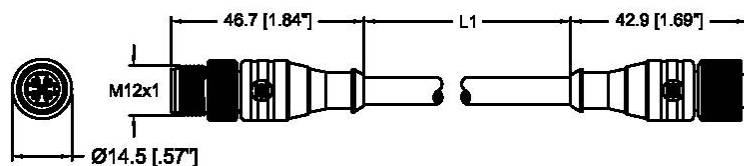
UL File Number Search E307231

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Drawings

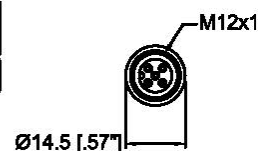
Dimension Drawing



M12 MALE

Male, Straight

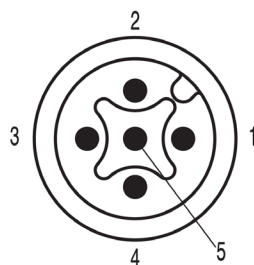
Dimension Drawing



M12 FEMALE

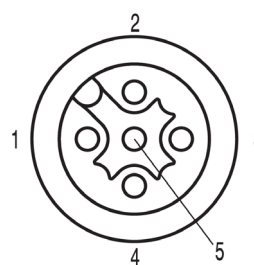
Straight Socket

Pole Scheme



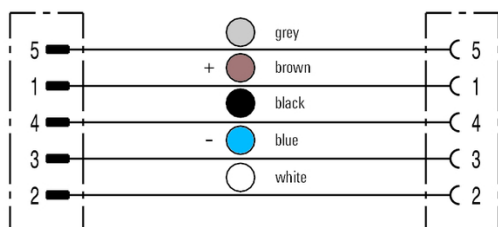
Male

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

Weidmuller, Ltd
10 Spy Court
Markham, Ontario L3R 5H6
Telephone: (800) 268-4080
Email: orders_can@weidmueller.com
Website: www.weidmuller.ca

Weidmuller, SA de CV
Bvd. Hermanos Serdán 698,
Col. San Rafael Oriente
Puebla, Puebla, Mexico C.P. 72029
Telephone: 01 222 2686267
Email: clientes@weidmueller.com
Website: www.weidmuller.com.mx

Weidmuller, Inc
821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
Email: info@weidmuller.com
Website: www.weidmuller.com

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