Data sheet

SAIL-M12BW-4S80U

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

www.weidmueller.com

Similar to illustration



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.
Our sensor cables come with 360° shielding which provides protection against electromagnetic interference.
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, Number of poles : 4, 80 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1808978000
Type	SAIL-M12BW-4S80U
GTIN (EAN)	4099986971431
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Net weight	2858.24 g

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Technical specifications for cable

Cable length	80 m	Sheathing colour	black
Resistance to oils	Yes	Suitable for cable carriers	Yes
Core cross-section	0.34 mm²	Number of wires	4
Shielded	Yes	Halogen	No
Insulation	PP	Cable Material	PUR halogen-free
Acceleration	5 m/s²	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Bending cycles	2 Mio
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1581 FT2, in accordance with IEC 60332-2-2	Speed	3 m/s
Sheath material	PUR	Cable length configurable	No
LABS-free	Yes	Hydrolysis and microbe resistant	Yes
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Type is hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	No	Drain wire integrated	No
Colour coding	brown, white, blue, black	Torsion resistance	180 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	No
Bending cycles at torsion	> 1 Mio.	Temperature range, moving	-25...80 °C
Torsional length	1 m	Sheath material hygroscopic	No
Number of poles	4	Outside diameter	5 mm ± 0.2 mm

General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Socket, angled	Housing main material	PUR
Insulation resistance	109 Ω	Contact material	Copper alloy
Nominal voltage	250 V	Nominal current	4 A
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Plugging cycles	≥ 100
Pollution severity	3	Threaded ring material	Brass, nickel-plated
Temperature range of housing	-25...+85 °C	Tightening torque	M12: 0.8 - 1.2 Nm

Electrical properties

Insulation resistance	109 Ω	Nominal voltage	250 V

General standards

Connector standard	IEC 61076-2-101

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Technical data

Standards

Connector standard	IEC 61076-2-101

Plug, left

Plug left	M12, A-coded, Number of poles: 4, female contact, angled 0°, plug, shielded

Plug, right

Plug right	Free conductor end

Classifications

ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

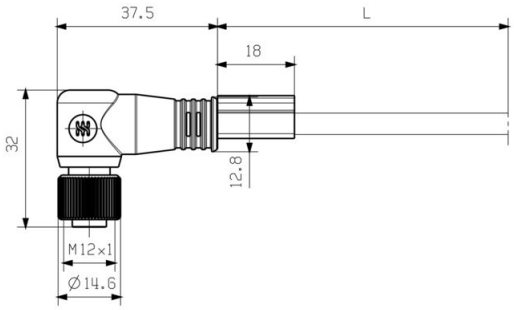
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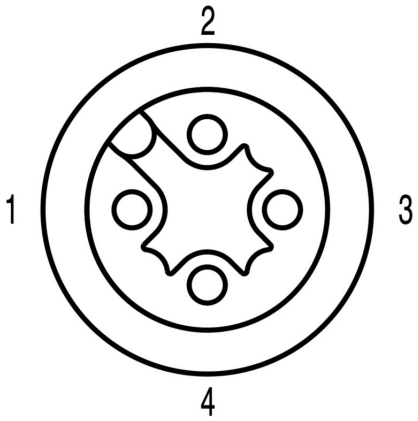
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Drawings

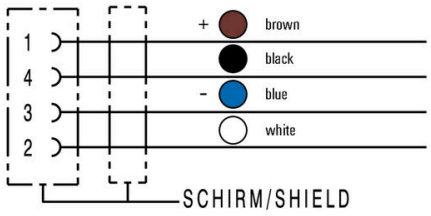
Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty ® with torque function

