

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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, Connecting line, M12 / M12, Number of poles : 5, 10 m, pin, 90° - socket 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	9457901000
Туре	SAIL-M12WM12W-5-10U
GTIN (EAN)	4032248403462
Qty.	1 pc(s).



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Dimensions	and	weights
------------	-----	---------

Net weight	381 g	

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
Colour coding	brown, white, blue, black,	Configurable cable length	
	grey		Yes
Core cross-section	0.34 mm ²	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Irradiation crosslinked	No
LABS-free	Yes	Length of torsion	1 m
Number of poles		Outer cladding in accordance with UL	
•	5	AWM style	20549 (80 °C / 300 V)
Outside diameter		Resistance to oils	in accordance with IEC
	5.3 mm ± 0.2 mm		60811:404
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC	Resistant to welding beads	
	60332-2-2		No
Sheath material	PUR	Sheathing colour	black
Shielded	No	Speed	5 m/s
Suitable for cable carriers	Yes	Temperature range, moving	-2580 °C
Temperature range, stationary	-4080 °C	Torsion resistance	360 °/m
Welding spark resistance	No		

General technical data

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, IP66, IP67, IP68, when screwed in, IP69	Rated current	4 A
Rated voltage	60 V	Shock and vibration proof according to	
Temperature range of housing	-25+85 °C	Threaded ring material	Diecast zinc
Tightening torque	M12: 0.8 - 1.2 Nm	Version	pin, 90° - socket 90°
jumpered	No		-

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	60 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



Weidmüller Interface GmbH & Co. KG

27060311

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Technical data

Plug

Plug left	M12, A-coded, IP69, male contact, angled 90°, Plastic, unshielded	Plug right	M12, A-coded, IP69, female contact, angled 90°, Plastic, unshielded
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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

ECLASS 13.0

Approvals

ECLASS 12.0

Approvals



27-06-03-11

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

Downloads

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



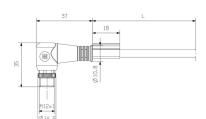
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

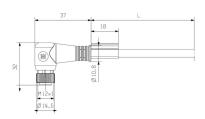
www.weidmueller.com

Drawings

Dimensioned drawing

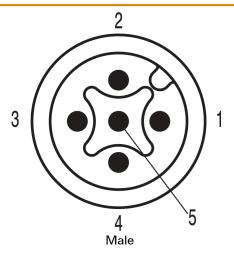


Dimensioned drawing



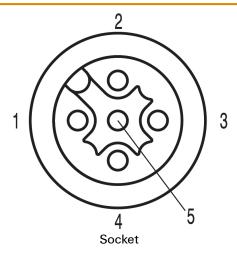
Male, angled

Pole scheme



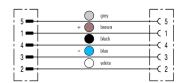
Angled socket

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.: 192000000 Adapters: M12, M12 F, M8, M8 F