

Connection cable

V31-WM-2M-PUR-V31-GM

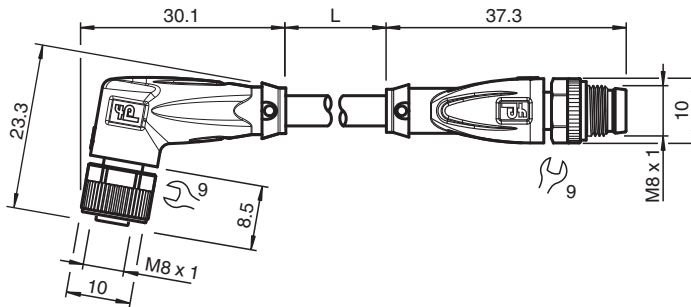


- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M8 socket angled to M8 plug straight A-coded, 4-pin, PUR cable grey



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M8
Style		angled
Locking		screw connection
Number of pins		4
Coding		A-coded
Connector 2		
Connection		plug
Construction type		M8
Style		straight
Locking		screw connection
Number of pins		4
Coding		A-coded

Electrical specifications

Operating voltage	U_B	max. 30 V AC/DC
Operating current	I_B	max. 3 A

Conformity

Degree of protection	EN 60529	
Plug connection	connector M8 x 1 : IEC 61076-2-104	
Halogen-free	IEC 60754-1	

Release date: 2023-06-29 Date of issue: 2023-06-29 Filename: 109261_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

Ambient conditions

Ambient temperature

Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-20 ... 80 °C (-4 ... 176 °F)

Pollution degree		3
------------------	--	---

Mechanical specifications

Plug connector

Tightening torque		0.4 Nm
Loosening protection		available
Tool installation		straight knurling and hexagon nut SW = 14 mm

Mating cycles		min. 100
---------------	--	----------

Degree of protection		IP68
----------------------	--	------

Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
-------	--	--

Sheath diameter		4.3 mm
-----------------	--	--------

Bending radius		> 15 x cable diameter, moving > 8 x cable diameter, fixed
----------------	--	--

Sheath stripping force		max. 60 N / 500 mm
------------------------	--	--------------------

Sheath color		grey (similar to RAL 7001)
--------------	--	----------------------------

Number of cores		4
-----------------	--	---

Core cross section		0.25 mm ²
--------------------	--	----------------------

Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black
-------------	--	---

Core construction		14 x 0.15 mm Ø
-------------------	--	----------------

Length	L	2 m
--------	---	-----

Cable code		Li 9Y 11Y 4 x 0,25
------------	--	--------------------

Drag chain suitability		
------------------------	--	--

Drag chain cycles		max. 50 / day
-------------------	--	---------------

Motion velocity		max. 0.3 m/s
-----------------	--	--------------

Material

Halogen-free		yes
--------------	--	-----

Plug connector

Screw connection		Zinc diecast, nickel-plated
------------------	--	-----------------------------

Body		TPU, black
------	--	------------

Seal		FKM
------	--	-----

Contact surface		gold plated (Au)
-----------------	--	------------------

Flammability		V-2
--------------	--	-----

Cable

Sheathing		PUR based on polyether
-----------	--	------------------------

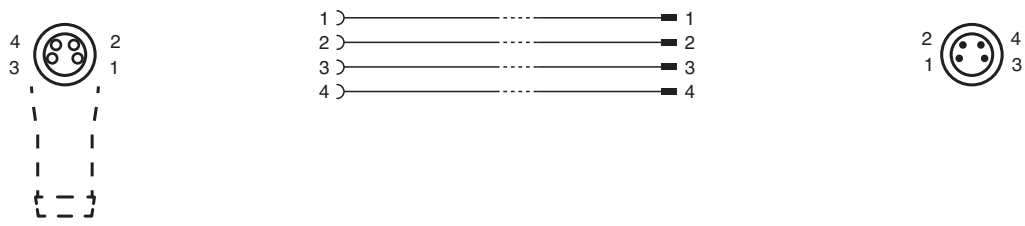
Core insulation		PP
-----------------	--	----

Chemical resistance		good
---------------------	--	------

Microbial resistance		yes
----------------------	--	-----

Hydrolysis resistance		yes
-----------------------	--	-----

Connection



Accessories

	MH V3-SCREWDRIVER	Torque screwdriver (0.4 Nm)
	MH V3-BIT M8	plug-in cap for M8
	V1/V3-LABELHOLDER	Label holder
	V1/V3-LABEL	Label plate
	MH V3-Holder	Modular universal holder for M8 connectors