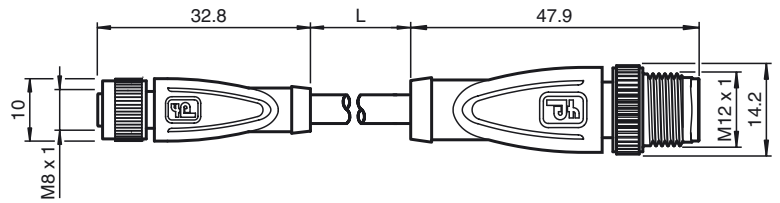




**Dimensions**



**Model Number**

**V31-GM-OR1M-POC-V1-G**

Cordset M8 socket to M12 plug A-coded, 4-pin, TPE cable welding-bead resistant orange

**Features**

- Resistant to welding bead formation
- Suitable for robotic applications / torsion resistant
- Does not give off silicone
- Ozone resistant
- Hydrolysis resistant
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69

**Technical data**

**General specifications**

Number of pins	4
Connection 1	socket
Construction type 1	straight
Threading 1	M8
Coding 1	A-coded
Connection 2	Male connector
Construction type 2	straight
Threading 2	M12
Coding 2	A-coded

**Electrical specifications**

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

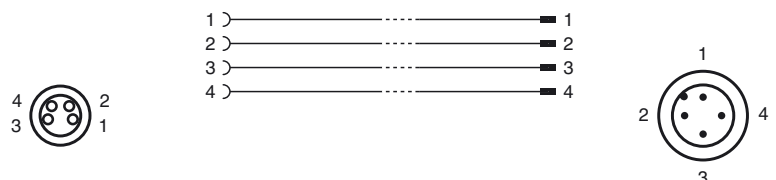
**Ambient conditions**

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) Cable, flexing: -15 ... 120 °C (5 ... 248 °F) for 20000 h -15 ... 150 °C (5 ... 302 °F) for 3000 h cable, fixed: -40 ... 120 °C (-40 ... 248 °F) for 20000 h -40 ... 150 °C (-40 ... 302 °F) for 3000 h
Pollution degree	3

**Mechanical specifications**

Contact elements	spring-loaded contact socket
Degree of protection	IP67 / IP68 / IP69
Cable code	Li 7Y-41X 4 x 0.34
Material	
Contacts	CuZn
Contact surface	Au
Body	TPU, black
Cable	TPE resistant to welding bead formation
Slotted nut	Diecast zinc
Sleeve connector	Diecast zinc
Core insulation	ETFE
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter	4.8 mm
Bending radius	> 10 x cable diameter, moving > 10 x cable diameter, fixed
Color	orange
Number of cores	4
Core cross-section	0.34 mm <sup>2</sup>
Cores color	Core 1: brown Core 2: white Core 3: blue Core 4: black

**Electrical connection**



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

Conductor construction	19 x 0.16 mm Ø	
Length	L	1 m
<b>Flammability</b>		
Contact carrier	HB	
Housing	V-2	
Cable	flame-resistant	
<b>Compliance with standards and directives</b>		
<b>Standard conformity</b>		
Degree of protection	EN 60529	
Flammability	IEC 60332-1-2 Flame-retardant as per ISO 14572 and ISO 6722	
Halogen-free	IEC 60754-2	
Specification	connector M12 x 1 : IEC 61076-2-101 connector M8 x 1 : IEC 61076-2-104	

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