

**Dimensions**



**Model Number**

**V1-G-OR2M-POC-V1-G**

Connection cable, M12 to M12, 4-pin, TPE cable, welding-bead resistant

**Features**

- Resistant to welding bead formation
- Suitable for robotic applications / torsion resistant
- Does not give off silicone
- Ozone resistant
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Protection degree IP67 / IP68 / IP69K

**Technical data**

**General specifications**

Number of pins	4
Connection 1	female connector
Construction type 1	straight
Threading 1	M12
Connection 2	Male connector
Construction type 2	straight
Threading 2	M12

**Electrical specifications**

Operating voltage	U <sub>B</sub>	max. 250 V AC/DC
Test voltage		> 1500 V <sub>eff</sub> AC
Operating current		max. 4 A
Volume resistance		< 5 mΩ

**Ambient conditions**

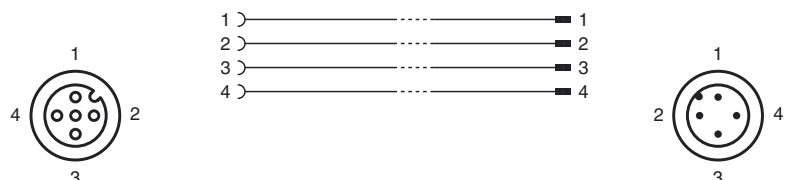
Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) Cable, flexing: -15 ... 120 °C (5 ... 248 °F) for 20000 h -15 ... 150 °C (5 ... 302 °F) for 3000 h cable, fixed: -40 ... 120 °C (-40 – 248°F) for 20000 h -40 ... 150 °C (-40 ... 302 °F) for 3000 h
---------------------	---

Pollution Degree	3
------------------	---

**Mechanical specifications**

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Protection degree	IP67 / IP68 / IP69k
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, green
Cable	TPE resistant to welding bead formation
Slotted nut	Diecast zinc
Sleeve connector	Diecast zinc
Core insulation	ETFE
Cable	fine-strand, flexible
Sheath diameter	Ø 4.8 mm
Bending radius	> 10 x cable diameter, moving
Color	orange
Cores	4 x 0.34 mm <sup>2</sup>
Conductor construction	19 x 0.16 mm Ø
Length	L 2 m
Flammability	
Contact material	HB
Housing	V-2

**Electrical connection**



Release date: 2012-01-18 10:24 Date of issue: 2012-01-18 217324\_eng.xml

Subject to modifications without notice

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

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

Germany: +49 621 776-4411  
fa-info@pepperl-fuchs.com

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

Cable flame-resistant

**Compliance with standards and directives**

Standard conformity	
Protection degree	EN 60529:2000
Standards	IEC 61076-2-101:2008
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004

Release date: 2012-01-18 10:24 Date of issue: 2012-01-18 217924\_eng.xml