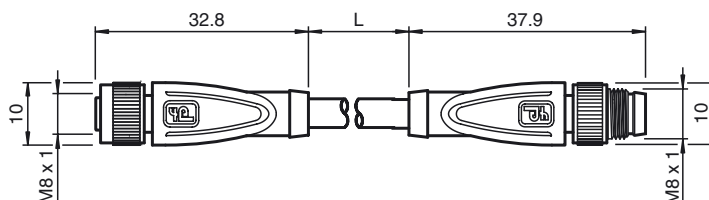




Dimensions



Model Number

V31-GM-OR2M-POC-V31-GM

Cordset, M8, 4-pin, TPE cable, weld-slag resistant

Features

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

Technical data

General specifications

Number of pins	4
Connection 1	socket
Construction type 1	straight
Threading 1	M8
Connection 2	Male connector
Construction type 2	straight
Threading 2	M8
UL File Number	E231213

Electrical specifications

Operating voltage	U_B	max. 30 V AC/DC
Operating current	I_B	max. 3 A
Contact resistance		< 10 mΩ

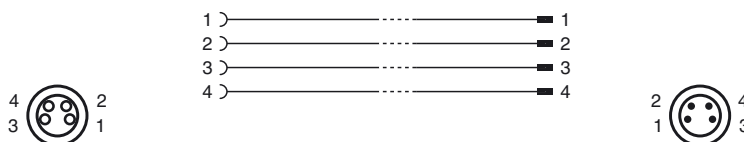
Ambient conditions

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
Degree of protection	IP67
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	TPE resistant to welding bead formation
Slotted nut	Diecast zinc
Core insulation	ETFE
Cable	
Cable	fine-strand, flexible
Sheath diameter	Ø 4.8 mm
Bending radius	> 10 x cable diameter, moving
Color	orange
Number of cores	4
Core cross-section	0.34 mm ²
Conductor construction	19 x 0.16 mm Ø
Length	L 2 m
Flammability	
Contact carrier	94 HB
Housing	94 V-2

Electrical connection



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Cable flame-resistant

Compliance with standards and directives

Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994

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