

Model Number

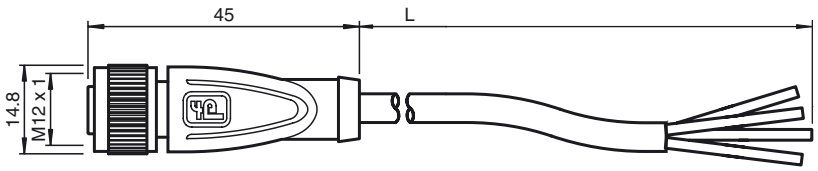
V1-G-OR3M-POC

Female cordset single-ended M12 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

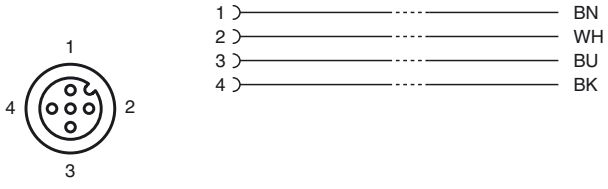
Dimensions



Technical data

General specifications		
Number of pins		4
Connection 1		socket
Construction type 1		straight
Threading 1		M12
Coding 1		A-coded
Connection 2		cable end
Electrical specifications		
Operating voltage	U_B	max. 250 V AC/DC
Operating current	I_B	max. 4 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
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^2
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black
Conductor construction		19 x 0.16 mm Ø
Length	L	3 m
Flammability		
Contact carrier		HB

Electrical connection



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Housing	V-2
Cable	flame-resistant
Compliance with standards and directives	
Standard conformity	
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

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