



Model Number

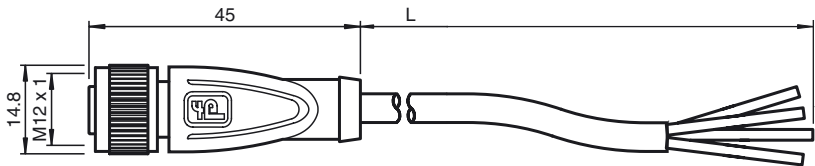
V1-G-OR1M-PUR-A

Single-ended female cordset, M12, PUR cable, 4-pin, welding-bead resistant

Features

- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly
- Halogen-free
- Suitable for drag chains
- Flame resistant cable
- Suitable for robotic applications / torsion resistant
- Gold plated contacts
- Improved resistance to weld slag

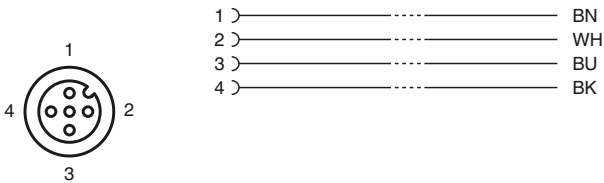
Dimensions



Technical data

General specifications		
Number of pins		4
Connection 1		socket
Construction type 1		straight
Threading 1		M12
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, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Contact elements		spring-loaded contact socket
Pin diameter		1 mm
Degree of protection		IP67
Cable code		LiF9Y11Y 4 x 0.34 mm ²
Material		
Contacts		CuSn / Au
Contact surface		Au
Body		TPU, black
Cable		PUR resistant to weld spatter
Slotted nut		Diecast zinc
Core insulation		PP
Cable		
Sheath diameter		Ø 4.3 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, single bend
Color		orange
Number of cores		4
Core cross-section		0.34 mm ²
Conductor construction		42 x 0.1 mm Ø
Length	L	1 m
Drag chain suitability		
Drag chain cycles		≥ 5000000
Motion velocity		≤ 3.3 m/s
Traverse distance		5 m
Acceleration		≤ 5 m/s ²
Torsion cycles		≥ 1000000
Torsional stress		±180 °/m
Flammability		
Contact carrier		94 HB

Electrical connection



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Housing	94 V-2
Cable	FT2
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
Approvals and certificates	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2