



Model Number

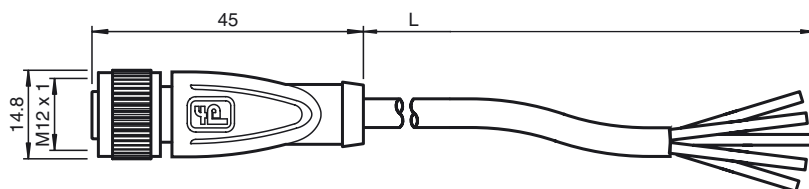
V15-G-OR2M-PUR-A

Female cordset single-ended, M12, 5-pin, PUR cable, weld spatter 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	5
Connection 1	socket
Construction type 1	straight
Threading 1	M12
Connection 2	cable end

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 4 A

Ambient conditions

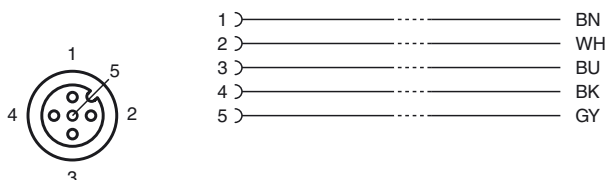
Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F)
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Pollution degree	3
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Mechanical specifications

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	PUR resistant to weld spatter
Slotted nut	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	Ø 4.3 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, single bend
Color	orange
Number of cores	5
Core cross-section	0.34 mm ²
Conductor construction	42 x 0.1 mm Ø
Length	L 2 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
Housing	94 V-2

Electrical connection





Cable	FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994
Specification	connector M12 x 1 : IEC 61076-2-101
Approvals and certificates	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2