



Model Number

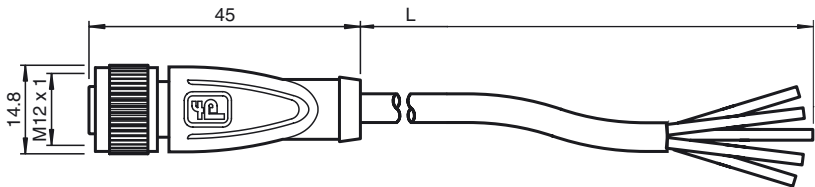
V15-G-BK5M-PUR-A

Female cordset, M12, 5-pin, PUR cable

Features

- Improved resistance to weld slag
- Suitable for drag chains
- Suitable for robotic applications / torsion resistant
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Free from substances that impair paint wetting
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly

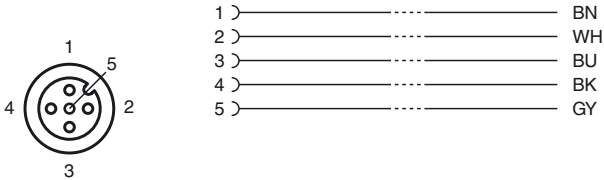
Dimensions



Technical data

General specifications		
Number of pins		5
Connection 1		socket
Construction type 1		straight
Threading 1		M12
Connection 2		cable end
UL File Number		E231213
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)
Pollution degree		3
Mechanical specifications		
Contact elements		spring-loaded contact socket
Pin diameter		1 mm
Degree of protection		IP67 / IP68 / IP69k
Material		
Contacts		CuSn / Au
Contact surface		Au
Body		TPU, black
Cable		PUR
Slotted nut		Diecast zinc
Core insulation		PP
Cable		
Sheath diameter		Ø 4.7 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color		black
Cores		5 x 0.34 mm ²
Conductor construction		42 x 0.1 mm Ø
Length	L	5 m
Drag chain suitability		
Drag chain cycles		≥ 5000000 (at max. 60 °C)
Motion velocity		≤ 3.3 m/s
Traverse distance		5 m horizontal
Acceleration		≤ 5 m/s ²
Torsion cycles		≥ 1000000 (at max. 60 °C)
Torsional stress		± 180 °/m
Flammability		
Contact carrier		HB
Housing		V-2

Electrical connection



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Cable	FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Flammability	Grip: UL 94 Cable: UL 758 / UL 1581
Halogen-free	IEC 60754-1:1994/DIN VDE 0472-815
Specification	connector M12 x 1 : IEC 61076-2-101
Approvals and certificates	
UL approval	UL Recognized General purpose

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