



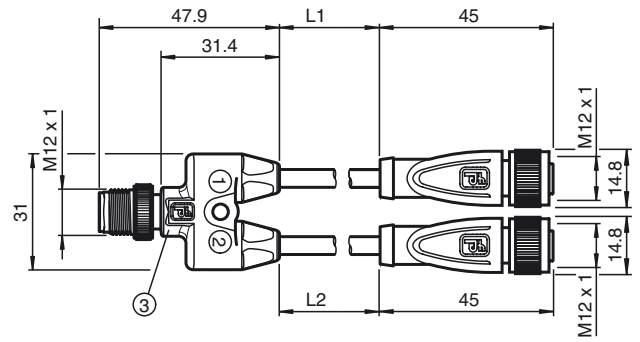
Model Number

V1-G-BK1,5M-PUR-A-TV1-G
 Y connecting cable, M12 to 2xM12, 4-pin, PUR cable

Features

- Simple assembling of 2 signals to one M12 plug-in station
- Improved resistance to weld slag
- Immunity to vibration, with mechanical latching
- Suitable for drag chains
- Suitable for robotic applications / torsion resistant
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Free of paint coating substances

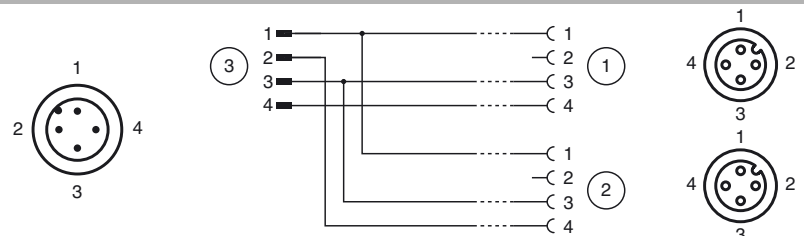
Dimensions



Technical data

General specifications		
Number of pins		4
Electrical specifications		
Operating voltage	U _B	max. 30 V AC/DC
Operating current	I _B	max. 4 A
Volume resistance		≤ 5 mΩ
Surge protection		overvoltage category III
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
Connection		1 x M12 connector, straight 2 x M12 straight sockets
Material		
Contacts		CuSn / Au
Contact surface		Au
Body		TPU, black
Cable		PUR
Slotted nut		Diecast zinc
Sleeve connector		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, fixed
Color		black
Cores		4 x 0.34 mm ²
Conductor construction		42 x 0.1 mm Ø
Length	L	L1 = 1.5 m L2 = 1.5 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 material		94 HB

Electrical connection



Release date: 2015-06-24 12:02 Date of issue: 2015-06-24 252971_eng.xml

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

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	Grip: UL 94 Cable: UL 758 / UL 1581
Halogen-free	IEC 60754-1:1994/DIN VDE 0472-815

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