

Model Number

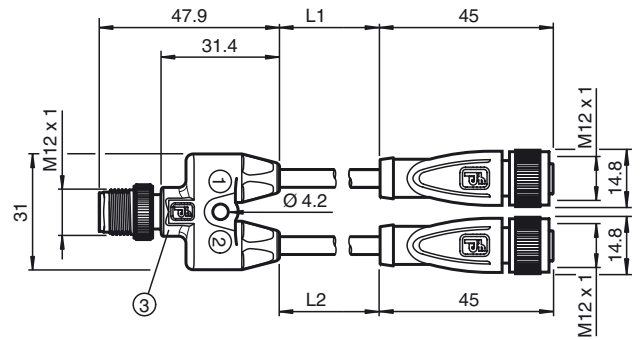
V1-G-BK3M-PUR-U-TV1-G

Y connecting cable, M12 to 2xM12, 4-pin, PUR cable

Features

- Simple assembling of 2 signals to one M12 plug-in station
- 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 from substances that impair paint wetting

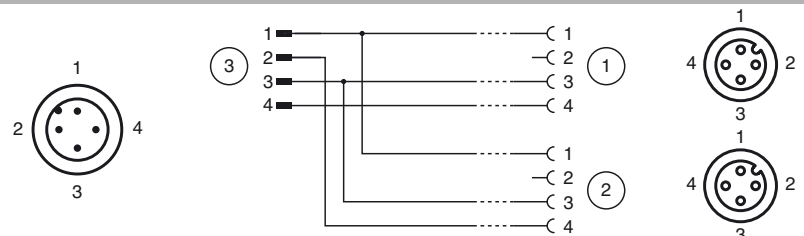
Dimensions



Technical data

General specifications		
Connection 1		socket
Construction type 1		straight
Threading 1		M12
Connection 2		socket
Construction type 2		straight
Threading 2		M12
Connection 3		Male connector
Construction type 3		straight
Threading 3		M12
Electrical specifications		
Operating voltage	U_B	max. 30 V AC/DC
Operating current	I_B	max. 4 A
Volume resistance		$\leq 5 \text{ m}\Omega$
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		$\varnothing 4.3 \text{ mm}$
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color		black
Number of cores		4
Core cross-section		0.34 mm^2
Conductor construction		$42 \times 0.1 \text{ mm } \varnothing$
Length	L	L1 = 3 m L2 = 3 m

Electrical connection



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

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	94 HB
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