



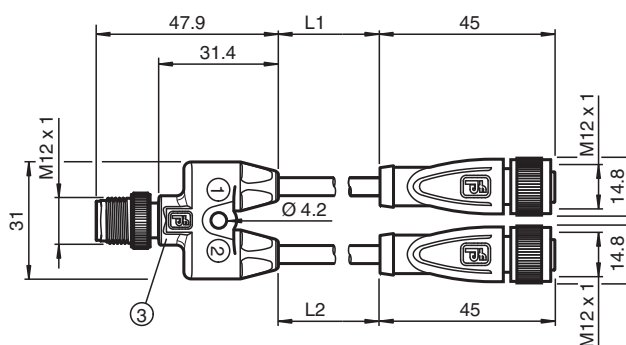
Y connection cable V1-G-BK5M-PUR-A-T-V1-G

- Easy merging of two signals at a single M12 slot
- Improved resistance to weld slag
- Immunity to vibration, with mechanical latching
- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Free from substances that impair paint wetting
- cURus approval

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



Dimensions



Technical Data

General specifications

Number of pins	4
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
UL File Number	E231213

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

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

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

Approvals and certificates

UL approval	cURus AWM 20549
Maximum permissible operating voltage	max. 60 V

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 = 5 m L2 = 5 m
Drag chain suitability		
Drag chain cycles		min. 5000000 (at max. 60 °C)
Motion velocity		max. 3.3 m/s
Traverse distance		5 m horizontal
Acceleration		max. 5 m/s ²
Torsion cycles		min. 1000000 (at max. 60 °C)
Torsional stress		± 180 °/m
Flammability		
Contact carrier		94 HB
Housing		94 V-2
Cable		FT2

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Connection Assignment

