

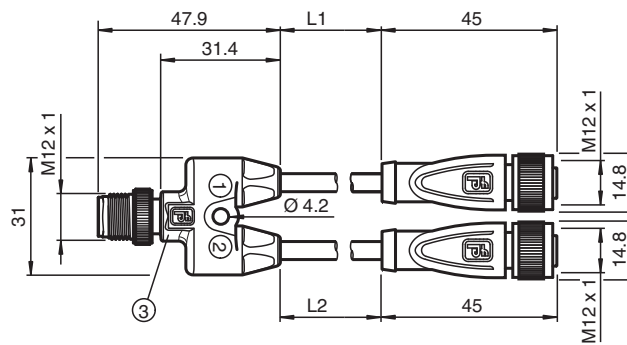


Y connection cable V15-G-BK0,6M-PUR-A-TEE-V15

- Easy merging of two signals at a single M12 slot
- Knurled nut suitable for tool assembly
- Suitable for drag chains and abrasion resistant
- Improved resistance to weld slag
- Suitable for robotic applications / torsion resistant
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Free of paint wetting interfering substances
- Gold plated contacts

Y-splitter cordset, M12 to 2x M12, 5-pin, PUR cable

Dimensions



Technical Data

General specifications		
Number of pins		5
Connection 1		socket
Construction type 1		straight
Threading 1		M12
Connection 2		socket
Construction type 2		straight
Threading 2		M12
Connection 3		plug
Construction type 3		straight
Threading 3		M12
Electrical specifications		
Operating voltage	U _B	48 V AC 60 V DC
Operating current	I _B	max. 4 A
Volume resistance		≤ 5 mΩ
Surge protection		overvoltage category III

Release date: 2021-04-27 Date of issue: 2021-04-27 Filename: 309708_eng.pdf

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

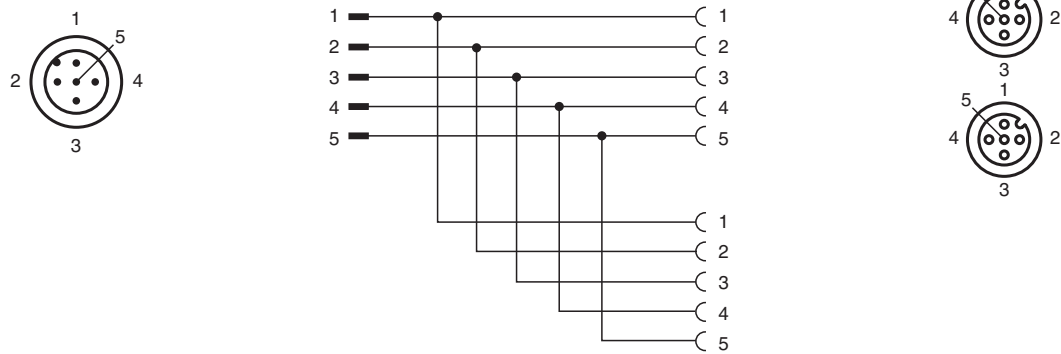
Ambient conditions

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 4.7 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color		black
Number of cores		5
Core cross-section		0.34 mm ²
Conductor construction		42 x 0.1 mm Ø
Length	L	L1 = 0.6 m L2 = 0.6 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

Connection Assignment



Release date: 2021-04-27 Date of issue: 2021-04-27 Filename: 309708_eng.pdf