

**Model Number**

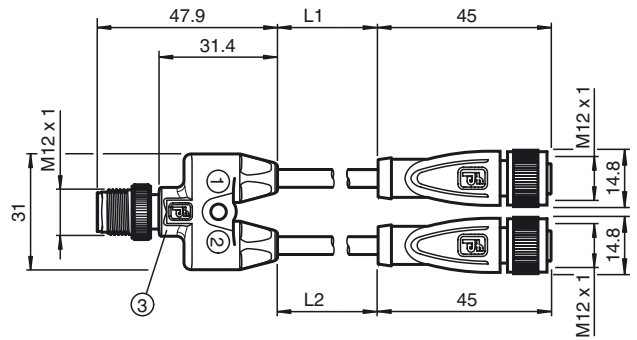
**V1-G-BK1M-PUR-U-TV1-G**

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 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  $\leq 5 \text{ m}\Omega$

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  $> 10 \times$  cable diameter, moving  
 $> 5 \times$  cable diameter, fixed

Color black

Cores  $4 \times 0.34 \text{ mm}^2$

Conductor construction  $42 \times 0.1 \text{ mm } \varnothing$

Length L  $L1 = 1 \text{ m}$   
 $L2 = 1 \text{ m}$

**Drag chain suitability**

Drag chain cycles  $\geq 5000000$  (at max. 60 °C)

Motion velocity  $\leq 3.3 \text{ m/s}$

Traverse distance 5 m horizontal

Acceleration  $\leq 5 \text{ m/s}^2$

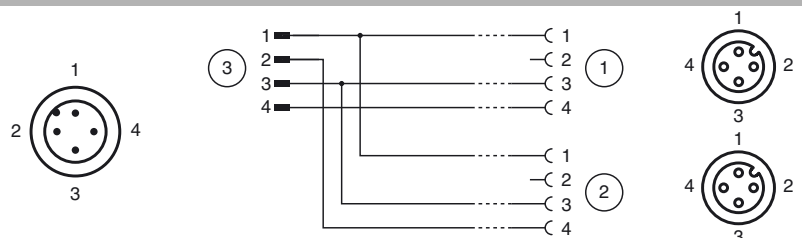
Torsion cycles  $\geq 1000000$  (at max. 60 °C)

Torsional stress  $\pm 180 \text{ }^\circ/\text{m}$

**Flammability**

Contact carrier 94 HB

**Electrical connection**



Housing	94 V-2
Cable	FT2
<b>Compliance with standards and directives</b>	
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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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".