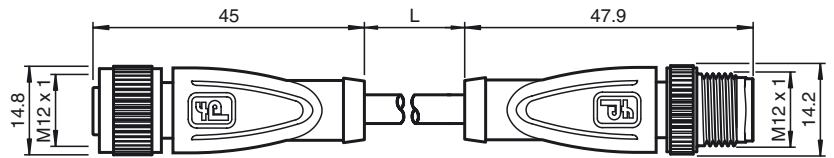




Dimensions



Model Number

V1-G-BK1,5M-PUR-A-V1-G

Connection cable, M12 to M12, PUR cable, 4-pin

Features

- Improved resistance to weld slag
- 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
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly

Technical data

General specifications

Number of pins 4

Electrical specifications

Operating voltage U_B max. 250 V AC/DC
 Operating current I_B max. 4 A
 Volume resistance $< 5 \text{ m}\Omega$

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

Material

Contacts CuSn / Au
 Contact surface Au
 Body TPU, black
 Cable PUR resistant to weld spatter
 Slotted nut Diecast zinc
 Sleeve connector Diecast zinc
 Core insulation PP

Cable

extra-fine wire, flexible
 Sheath diameter $\text{Ø} 4.3 \text{ mm}$
 Bending radius $> 10 \text{ x cable diameter, moving}$
 $> 5 \text{ x cable diameter, fixed}$

Color black

Number of cores 4

Core cross-section 0.34 mm^2

Conductor construction $42 \text{ x } 0.1 \text{ mm } \text{Ø}$

Length L 1.5 m

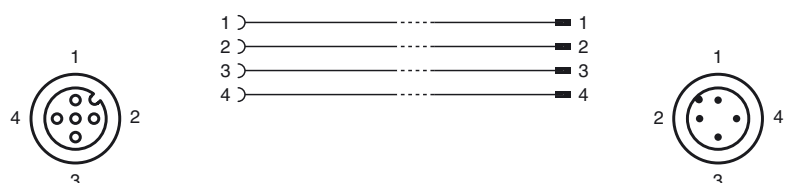
Drag chain suitability

Drag chain cycles ≥ 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 ≥ 1000000 (at max. 60 °C)
 Torsional stress $\pm 180 \text{ }^\circ/\text{m}$

Flammability

Contact carrier 94 HB
 Housing 94 V-2
 Cable FT2

Electrical connection



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



Compliance with standards and directives

Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994

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