



Dimensions



Model Number

V1-G-BK3M-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
 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 3 m

Drag chain suitability

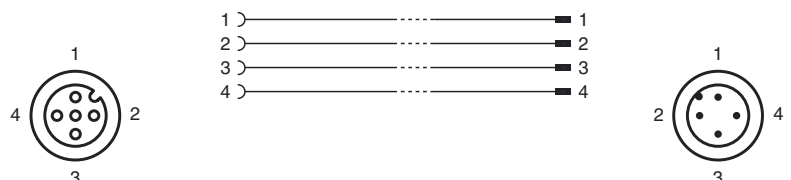
Drag chain cycles ≥ 5000000 (at max. 60 °C)
 Motion velocity $\leq 3.3 \text{ m/s}$
 Traverse distance 5 m horizontal
 Acceleration $\leq 5 \text{ m/s}^2$
 Torsion cycles ≥ 1000000 (at max. 60 °C)
 Torsional stress $\pm 180 \text{ }^\circ/\text{m}$

Flammability

Contact material 94 HB
 Housing 94 V-2
 Cable FT2

Compliance with standards and directives

Electrical connection



Release date: 2015-01-20 20:55 Date of issue: 2015-01-20 252977_eng.xml



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|----------------------|---|
| 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 |

Release date: 2015-01-20 20:55 Date of issue: 2015-01-20 252977_eng.xml