



Model Number

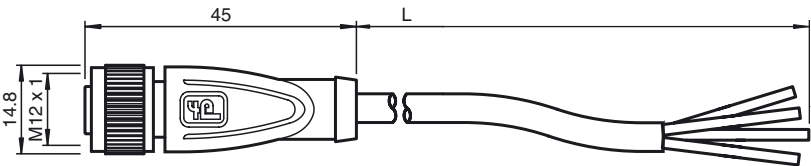
V1B-G-BK2M-PUR-U

Female cordset, M12, 4-pin, B-coded, PUR cable

Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Suitable for 2-, 3- and 4-wire technology
- Suitable for drag chains

Dimensions



Technical data

General specifications

Number of pins 4

Electrical specifications

Operating voltage U_B max. 250 V AC/DC
Test voltage $> 1500 V_{eff}$ AC
Operating current I_B max. 4 A
Volume resistance $< 5 m\Omega$

Ambient conditions

Ambient temperature Body: $-40 \dots 90 \text{ }^\circ\text{C}$ ($-40 \dots 194 \text{ }^\circ\text{F}$)
cable, flexing: $-20 \dots 80 \text{ }^\circ\text{C}$ ($-4 \dots 176 \text{ }^\circ\text{F}$)
cable, fixed: $-40 \dots 80 \text{ }^\circ\text{C}$ ($-40 \dots 176 \text{ }^\circ\text{F}$)
Pollution degree 3

Mechanical specifications

Contact elements spring-loaded contact socket
Pin diameter 1 mm
Degree of protection IP67 / IP68 / IP69k

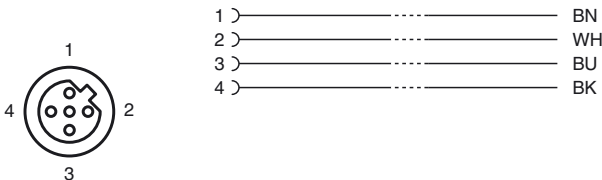
Material

Contacts CuSn / Au
Contact surface Au
Body TPU, black
Cable PUR
Slotted nut 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 2 m
Drag chain suitability
Drag chain cycles ≥ 5000000
Motion velocity $\leq 3.3 \text{ m/s}$
Torsional stress $\pm 180 \text{ }^\circ/\text{m}$
Flammability
Contact carrier HB
Housing V-2
Cable FT2

Compliance with standards and directives

Standard conformity
Degree of protection EN 60529:2000
Standards IEC 61076-2-101:2008

Electrical connection





Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994
Approvals and certificates	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)
Maximum permissible operating voltage ≤ 30 V	
Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F)	

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