



Model Number

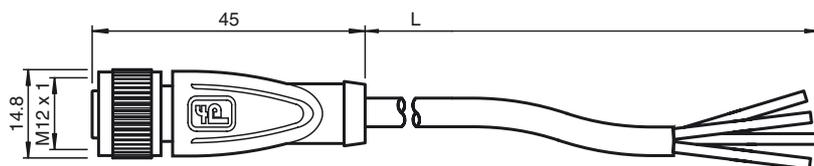
V1B-G-BK2M-PUR-U

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 ... 90 °C (-40 ... 194 °F)
 cable, flexing: -20 ... 80 °C (-4 ... 176 °F)
 cable, fixed: -40 ... 80 °C (-40 ... 176 °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

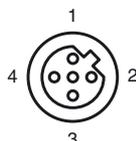
Compliance with standards and directives

Standard conformity

Degree of protection EN 60529:2000

Standards IEC 61076-2-101:2008

Electrical connection



1) BN
 2) WH
 3) BU
 4) BK



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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