



**Model Number**

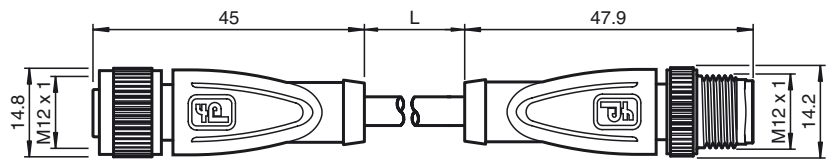
**V15-G-BK1M-PUR-O2/CAN-V15-G**

DeviceNet/CANOpen bus cable, M12 to M12, PUR cable 5-pin

**Features**

- Suitable for DeviceNet and CANopen
- Suitable for drag chains
- Shield connected to pin 1
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Halogen-free
- Resistant to microbes and hydrolysis
- cURus approval
- UV resistant
- Resistant to salt and sea water

**Dimensions**



**Technical data**

**General specifications**

Number of pins	5
Connection 1	socket
Construction type 1	straight
Threading 1	M12
Connection 2	Male connector
Construction type 2	straight
Threading 2	M12

**Electrical specifications**

Operating voltage	$U_B$	max. 48 V AC / 60 V DC
Operating current	$I_B$	max. 4 A
Volume resistance		< 5 m $\Omega$

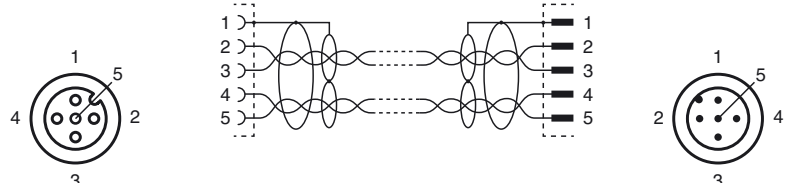
**Ambient conditions**

Ambient temperature	-25 ... 90 °C (-13 ... 194 °F) cable, fixed: -50 ... 105 °C (-58 ... 221 °F) cable, flexing: -30 ... 105 °C (-22 ... 221 °F)
Pollution degree	3

**Mechanical specifications**

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67 / IP68 / IP69k
Cable code	SG [2(2 LI9Y 0.34 mm <sup>2</sup> )]VICV111Y
Material	
Contacts	CuSn / Au
Contact surface	Ni/Au
Body	TPU, black
Cable	PUR
Slotted nut	Zinc die-casting, nickel-plated
Sleeve connector	Zinc die-casting, nickel-plated
Seal	FKM
Core insulation	PP
Cable	2 pairs with 2 strands for each core
Sheath diameter	$\varnothing$ 6 mm $\pm$ 0.2 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, single bend
Color	black
Number of cores	4
Core cross-section	0.34 mm <sup>2</sup>
Conductor construction	19 x 0.15 mm $\varnothing$
Shield	grid covering 85 %
Length	L 1 m
Drag chain suitability	
Drag chain cycles	$\geq$ 3000000
Motion velocity	$\leq$ 2.5 m/s

**Electrical connection**



Release date: 2019-07-15 16:53 Date of issue: 2019-07-15 309995\_eng.xml

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

Traverse distance	0.51 m
Acceleration	≤ 12 m/s <sup>2</sup>
<b>Flammability</b>	
Contact carrier	HB
Housing	V-2
Cable	FT2
<b>Compliance with standards and directives</b>	
<b>Standard conformity</b>	
Degree of protection	EN 60529:2000
Flammability	Grip: UL 94
Halogen-free	DIN VDE 0472 Part 15 (plastic) DIN EN 50267-2-1 (flue gas)
Chemical resistance	EN 60811-404: 168 h at 100° C
Specification	connector M12 x 1 : IEC 61076-2-101
<b>Approvals and certificates</b>	
UL approval	AWM STYLE 21924 105 °C 300V AWM I A/B 105 °C 300V FT2 (cable)

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