



### Model Number

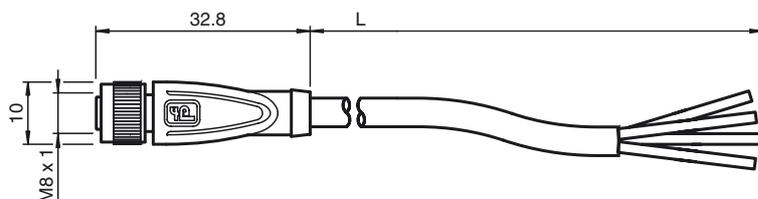
**V31-GM-BK1,1M-PUR-U**

Female cordset, M8, 4-pin, PUR cable

### Features

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

### Dimensions



### Technical data

#### General specifications

Number of pins	4
Connection 1	socket
Construction type 1	straight
Threading 1	M8
Connection 2	cable end
UL File Number	E231213

#### Electrical specifications

Operating voltage	$U_B$	max. 30 V DC
Operating current	$I_B$	max. 3 A
Volume resistance		< 5 m $\Omega$

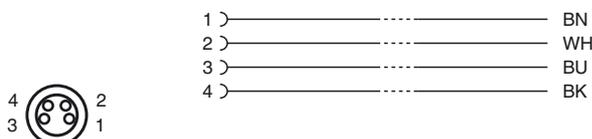
#### Ambient conditions

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F)
Pollution degree	3

#### Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67
Cable code	Li 9Y 11Y 4 x 0.34
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 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color	black
Number of cores	4
Core cross-section	0.34 mm <sup>2</sup>
Conductor construction	42 x 0.1 mm $\varnothing$
Length	L 1.1 m
Drag chain suitability	
Drag chain cycles	$\geq$ 5000000 (at max. 60 °C)
Motion velocity	$\leq$ 3.3 m/s
Torsional stress	$\pm$ 180 °/m
Flammability	
Contact carrier	94 HB
Housing	94 V-2

### Electrical connection



Cable	FT2
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**Compliance with standards and directives**

## Standard conformity

Degree of protection	EN 60529:2000
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Standards	IEC 61076-2-104:2008
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Flammability	Body: UL 94
	Line: UL 1581 Section 1061; IEC 60332-1-2:2004

Halogen-free	IEC 60754-1:1994/DIN VDE 0472-815
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**Approvals and certificates**

UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)
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Maximum permissible operating voltage	≤ 30 V
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Maximum permissible ambient temperature	≤ 80 °C (≤ 176 °F)
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