



### Model Number

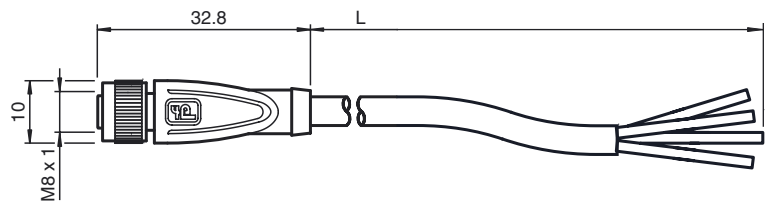
**V31-GM-BK3M-PUR-U**

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
UL File Number	E231213

#### Electrical specifications

Operating voltage	$U_B$	max. 30 V DC
Test voltage		> 1500 V <sub>eff</sub> AC
Operating current	$I_B$	max. 4 A
Volume resistance		< 5 mΩ

#### 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
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	Ø 4.3 mm
Bending radius	> 10 x cable diameter, moving
Color	black
Cores	4 x 0.34 mm <sup>2</sup>
Conductor construction	42 x 0.1 mm Ø
Length	L 3 m

#### Drag chain suitability

Drag chain cycles	≥ 5000000 (at max. 60 °C)
Motion velocity	≤ 3.3 m/s
Traverse distance	5 m horizontal
Acceleration	≤ 5 m/s <sup>2</sup>
Torsional stress	± 180 °/m

#### Flammability

Contact material	94 HB
Housing	94 V-2
Cable	FT2

#### Compliance with standards and directives

Standard conformity

### Electrical connection



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



Degree of protection	EN 60529:2000
Standards	IEC 61076-2-104:2008
Flammability	Cable: UL 758 / UL 1581
Halogen-free	IEC 60754-1:1994/DIN VDE 0472-815
<b>Approvals and certificates</b>	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)

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