



### Model Number

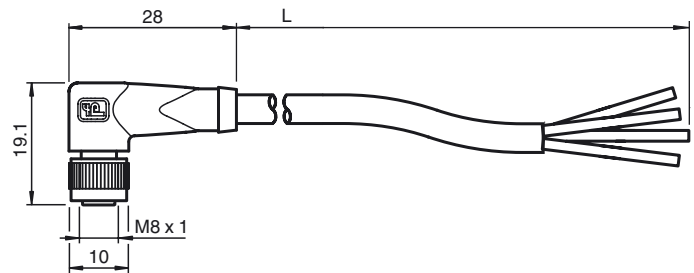
**V31-WM-BK5M-PUR-U**

Female cordset, M8, 4-pin, PUR cable

### Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Flame resistant cable
- Halogen-free
- Suitable for drag chains

### Dimensions



### Technical data

#### General specifications

Number of pins	4
Connection 1	socket
Construction type 1	right angle
Threading 1	M8
Connection 2	cable end

#### Electrical specifications

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

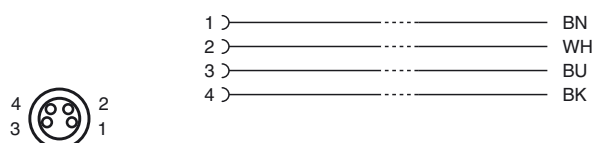
#### Ambient conditions

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -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	5 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	

### Electrical connection





**Compliance with standards and directives**

Standard conformity	
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

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