



Model Number

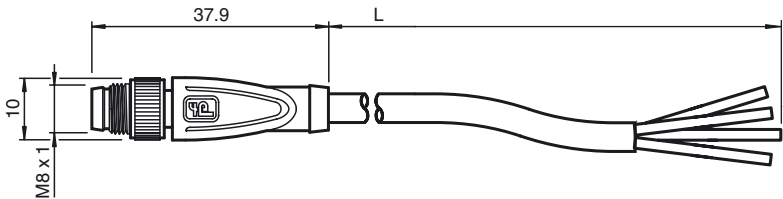
V31S-GM-BK0,3M-PUR-U

Male cordset, M8, 4-pole, 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 drag chains
- UL Recognized Component

Dimensions



Technical data

General specifications

Number of pins	4
UL File Number	E231213

Electrical specifications

Operating voltage	U_B	max. 30 V AC/DC
Test voltage		$> 1500 V_{eff} AC$
Operating current	I_B	max. 3 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

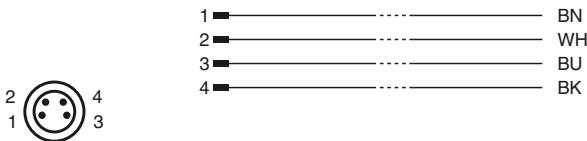
Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PUR
Sleeve connector	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	$\varnothing 4.3 mm$
Bending radius	$> 10 \times$ cable diameter, moving $> 5 \times$ cable diameter, fixed
Color	black
Number of cores	4
Core cross-section	$0.34 mm^2$
Conductor construction	$42 \times 0.1 mm \varnothing$
Length	L 0.3 m
Drag chain suitability	
Drag chain cycles	≥ 5000000
Motion velocity	$\leq 3.3 m/s$
Torsional stress	$\pm 180 \text{ }^\circ/m$
Flammability	
Contact carrier	94 HB
Housing	94 V-2
Cable	FT2

Compliance with standards and directives

Standard conformity

Electrical connection



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

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Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Halogen-free	IEC 60754-1:1994
Approvals and certificates	
UL approval	UL Recognized General purpose
Maximum permissible operating voltage ≤ 30 V	
Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F)	

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