



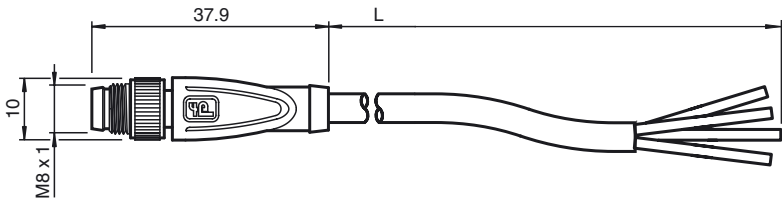
Model Number

V31S-GM-BK1M-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

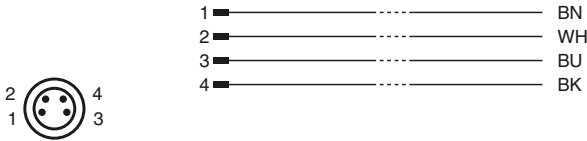
Dimensions



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 mΩ
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		
Sheath diameter		Ø 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 ²
Conductor construction		42 x 0.1 mm Ø
Length	L	1 m
Drag chain suitability		
Drag chain cycles		≥ 5000000
Motion velocity		≤ 3.3 m/s
Torsional stress		± 180 °/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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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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