



Model Number

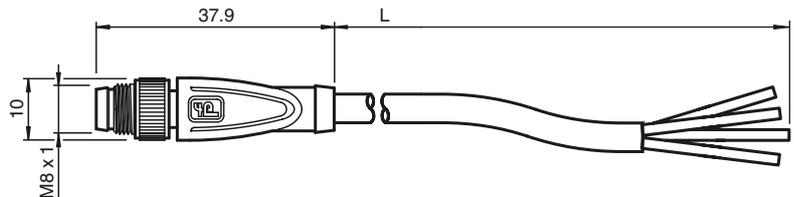
V31S-GM-BK1M-PUR-U

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	extra-fine wire, flexible
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	
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Electrical connection



1	BN
2	WH
3	BU
4	BK



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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