



Model Number

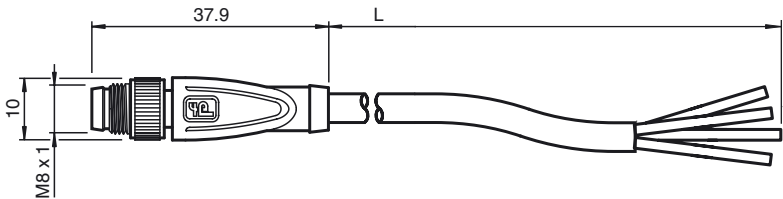
V31S-GM-BK10M-PUR-U

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: $-40 \dots 90 \text{ }^\circ\text{C}$ ($-40 \dots 194 \text{ }^\circ\text{F}$) cable, flexing: $-20 \dots 80 \text{ }^\circ\text{C}$ ($-4 \dots 176 \text{ }^\circ\text{F}$) cable, fixed: $-40 \dots 80 \text{ }^\circ\text{C}$ ($-40 \dots 176 \text{ }^\circ\text{F}$)
Pollution degree	3

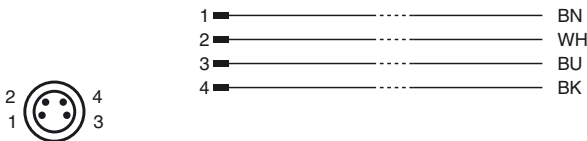
Mechanical specifications

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	$\varnothing 4.3 \text{ mm}$
Bending radius	$> 10 \times \text{cable diameter, moving}$ $> 5 \times \text{cable diameter, fixed}$
Color	black
Number of cores	4
Core cross-section	0.34 mm^2
Conductor construction	$42 \times 0.1 \text{ mm } \varnothing$
Length	L 10 m
Drag chain suitability	
Drag chain cycles	≥ 5000000
Motion velocity	$\leq 3.3 \text{ m/s}$
Torsional stress	$\pm 180 \text{ }^\circ/\text{m}$
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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