



Model Number

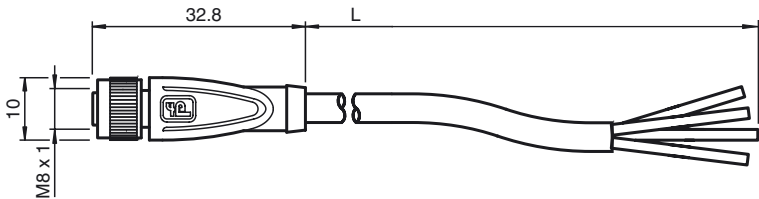
V31-GM-BK1,1M-PUR-U

Female cordset, M8, 4-pin, PUR cable

Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Raw cable with cURus approval
- Gold plated contacts
- Flame resistant cable
- Halogen-free
- Suitable for drag chains
- Suitable for 2-, 3- and 4-wire technology
- Resistant to microbes and hydrolysis

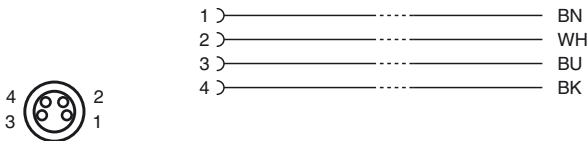
Dimensions



Technical data

General specifications		
Number of pins		4
Connection 1		socket
Construction type 1		straight
Threading 1		M8
Connection 2		cable end
UL File Number		E231213
Electrical specifications		
Operating voltage	U _B	max. 30 V DC
Operating current	I _B	max. 3 A
Volume resistance		< 5 mΩ
Ambient conditions		
Ambient temperature		Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Contact elements		spring-loaded contact socket
Pin diameter		1 mm
Degree of protection		IP67
Cable code		Li 9Y 11Y 4 x 0.34
Material		
Contacts		CuSn / Au
Contact surface		Au
Body		TPU, black
Cable		PUR
Slotted nut		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	1.1 m
Drag chain suitability		
Drag chain cycles		≥ 5000000 (at max. 60 °C)
Motion velocity		≤ 3.3 m/s
Torsional stress		± 180 °/m
Flammability		
Contact carrier		94 HB
Housing		94 V-2

Electrical connection



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Cable	FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-104:2008
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994/DIN VDE 0472-815
Approvals and certificates	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)
Maximum permissible operating voltage ≤ 30 V	
Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F)	