



Model Number

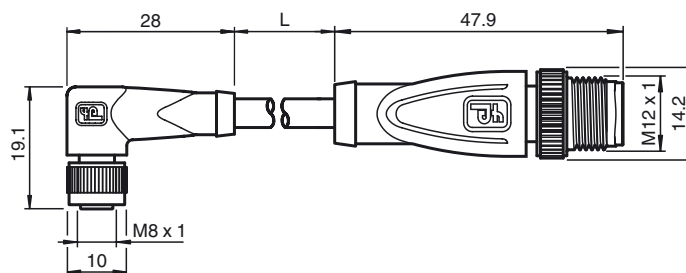
V31-WM-BK1M-PUR-U-V1-G

Connection cable, M8 to M12, PUR cable, 4-pin

Features

- UL Recognized Component
- Raw cable with cURus approval
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly
- Gold plated contacts
- Resistant to microbes and hydrolysis
- Halogen-free

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. 4 A
Volume resistance		< 5 mΩ

Ambient conditions

Ambient temperature	cable, fixed: -25 ... 80 °C (-13 ... 176 °F) cable, flexing: -5 ... 80 °C (23 ... 176 °F)
Pollution degree	3

Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67

Material

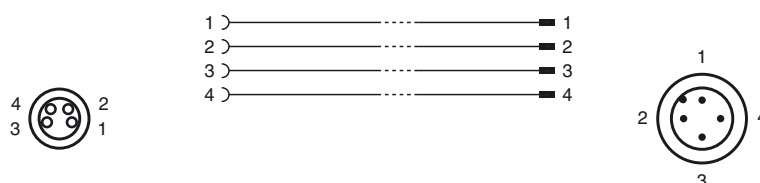
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PUR
Slotted nut	Diecast zinc
Sleeve connector	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	Ø 4.3 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color	black
Cores	4 x 0.34 mm ²
Conductor construction	19 x 0.15 mm Ø
Length	L
Flammability	
Contact carrier	94 HB
Housing	94 V-2

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

Approvals and certificates

Electrical connection





UL approval	UL Recognized General purpose
Maximum permissible operating voltage $\leq 30\text{ V}$	
Maximum permissible ambient temperature $\leq 80\text{ °C}$ ($\leq 176\text{ °F}$)	

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