



Model Number

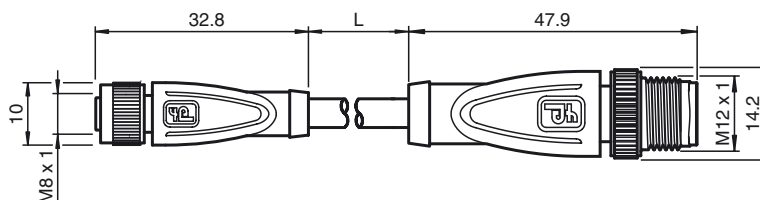
V31-GM-BK1M-PUR-U-V1-G

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

Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Suitable for drag chains
- Resistant to microbes and hydrolysis
- Halogen-free
- 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
Operating current	I_B	max. 3 A
Contact resistance		< 10 mΩ

Ambient conditions

Ambient temperature	-40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F)
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Pollution degree	3
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Mechanical specifications

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

Contacts	CuSn / Au
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Contact surface	Au
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Body	TPU, black
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Cable	PUR
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Slotted nut	Diecast zinc
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Core insulation	PP
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Cable	fine-strand, flexible
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Sheath diameter	Ø 4.3 mm
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Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
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Color	black
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Number of cores	4
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Core cross-section	0.34 mm ²
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Conductor construction	42 x 0.1 mm Ø
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Length	L	1 m
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Drag chain suitability

Drag chain cycles	≥ 5000000
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Motion velocity	≤ 3.3 m/s
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Torsional stress	± 180 °/m
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Flammability

Contact carrier	94 HB
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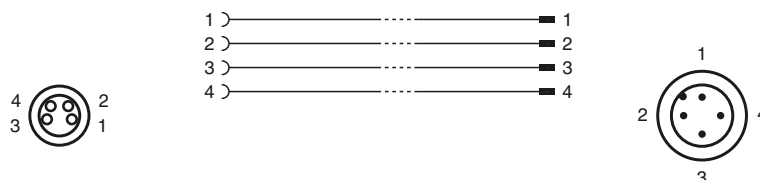
Housing	94 V-2
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Cable	FT2
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Compliance with standards and directives

Standard conformity	
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Electrical connection





Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
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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