



Model Number

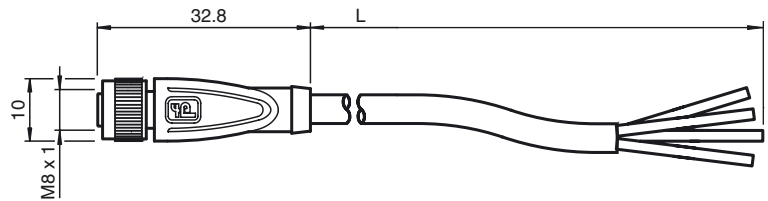
V31-GM-BK20M-PUR-U

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
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)
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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	extra-fine wire, 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	20 m
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Drag chain suitability

Drag chain cycles	≥ 5000000 (at max. 60 °C)
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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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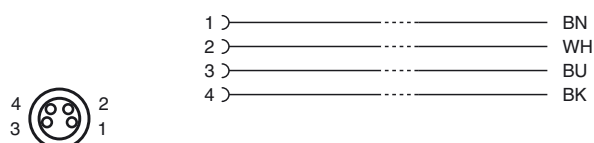
Housing	94 V-2
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Cable	FT2
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Compliance with standards and directives

Standard conformity	
Degree of protection	EN 60529:2000

Electrical connection





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)	

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