



### Model Number

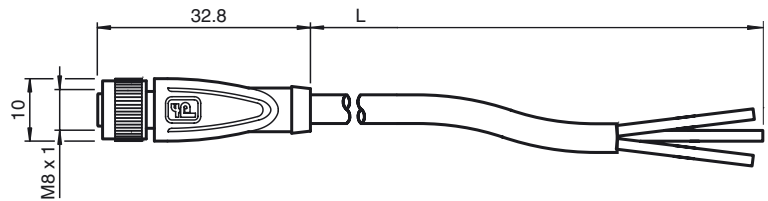
**V3-GM-BK20M-PUR-U**

Cable socket, M8, 3-pin, PUR cable

### Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Halogen-free
- Suitable for drag chains

### Dimensions



### Technical data

#### General specifications

Number of pins	3
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. 60 V DC
Test voltage		> 1500 V <sub>eff</sub> AC
Operating current		max. 3 A
Volume resistance		< 5 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)
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
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	3 x 0.34 mm <sup>2</sup>
Conductor construction	42 x 0.1 mm Ø
Length	L 20 m

#### Drag chain suitability

Drag chain cycles	≥ 5000000
Motion velocity	≤ 3.3 m/s
Acceleration	≤ 5 m/s <sup>2</sup>
Torsional stress	± 180 °/m

#### Flammability

Contact material	94 HB
Housing	94 V-2

### Electrical connection



1	-----	BN
3	-----	BU
4	-----	BK



Cable	FT2
<b>Compliance with standards and directives</b>	
Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
<b>Approvals and certificates</b>	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)

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