



### Model Number

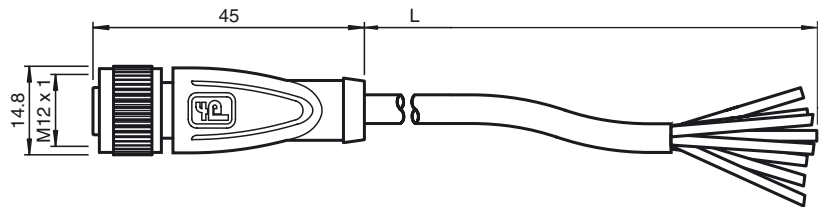
**V19-G-BK20M-PUR-U**

Female cordset, M12, 8-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
- Halogen-free
- Resistant to microbes and hydrolysis
- Degree of protection IP67 / IP68 / IP69K

### Dimensions



### Technical data

#### General specifications

Number of pins	8
UL File Number	E231213

#### Electrical specifications

Operating voltage	$U_B$	max. 30 V AC/DC
Operating current	$I_B$	max. 2 A

#### Ambient conditions

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

#### Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67 / IP68 / IP69k

#### Material

Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PUR
Slotted nut	Diecast zinc
Core insulation	PP
Cable	fine-strand, flexible
Sheath diameter	Ø 6 mm
Bending radius	> 10 x cable diameter, moving > 8 x cable diameter, fixed
Color	black
Number of cores	8
Core cross-section	0.25 mm <sup>2</sup>
Conductor construction	14 x 0.15 mm Ø
Length	L 20 m

#### Flammability

Contact carrier	HB
Housing	V-2
Cable	FT2

#### Compliance with standards and directives

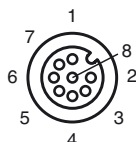
##### Standard conformity

Flammability	Grip: UL 94 Cable: UL 1581 Section 1100; 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

### Electrical connection



1	.....	WH
2	.....	BN
3	.....	GN
4	.....	YE
5	.....	GY
6	.....	PK
7	.....	BU
8	.....	RD



Maximum permissible ambient temperature  $\leq 80\text{ }^{\circ}\text{C}$  ( $\leq 176\text{ }^{\circ}\text{F}$ )