



Model Number

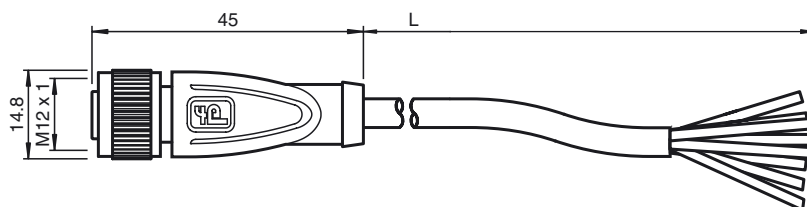
V19-G-BK20M-PVC-U

Female cordset, M12, 8-pin, PVC 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
- 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
Volume resistance		< 5 mΩ

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)
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Pollution degree	3
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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	PVC
Slotted nut	Diecast zinc
Seal	FKM
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	Ø 6.3 mm
Bending radius	> 10 x cable diameter, appropriate for conveyor chains > 5 x cable diameter, fixed
Color	black
Number of cores	8
Core cross-section	0.34 mm ²
Conductor construction	42 x 0.1 mm Ø
Length	L 20 m
Flammability	
Contact carrier	HB
Housing	V-2

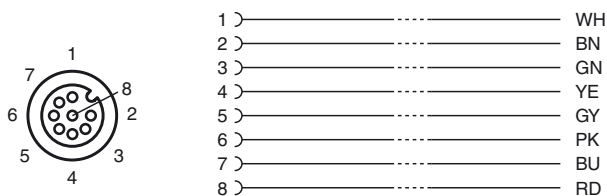
Compliance with standards and directives

Standard conformity	
Degree of protection	EN 60529:2000
Flammability	Grip: UL 94 Cable: UL 1581 Section 1100; IEC 60332-1-2:2004

Approvals and certificates

UL approval	UL Recognized General purpose
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Electrical connection





Maximum permissible operating voltage $\leq 30\text{ V}$

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

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