



Model Number

V15-G-BK20M-PUR-U-V15-G

Connection cable, M12 to M12, 5-pin, PUR cable

Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69K
- Halogen-free
- Suitable for 2-, 3- and 4-wire technology
- Raw cable with cURus approval
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Suitable for drag chains

Dimensions



Technical data

General specifications

Number of pins	5
Connection 1	socket
Construction type 1	straight
Threading 1	M12
Connection 2	Male connector
Construction type 2	straight
Threading 2	M12
UL File Number	E231213

Electrical specifications

Operating voltage	U _B	max. 48 V AC / 60 V DC
Operating current	I _B	max. 4 A
Volume resistance		< 5 mΩ

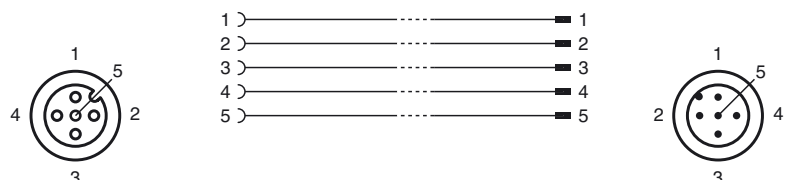
Ambient conditions

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F)
Pollution degree	3

Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67 / IP68 / IP69K
Cable code	Li 9Y 11Y 5 x 0.34
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PUR
Slotted nut	Diecast zinc
Sleeve connector	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	Ø4.8 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color	black
Number of cores	5
Core cross-section	0.34 mm ²
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
Torsion cycles	≥ 1000000

Electrical connection



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Torsional stress	± 180 °/m
Flammability	
Contact carrier	94 V-2
Housing	94 V-2
Cable	FT2
Compliance with standards and directives	
Standard conformity	
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994
Specification	connector M12 x 1 : IEC 61076-2-101
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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