



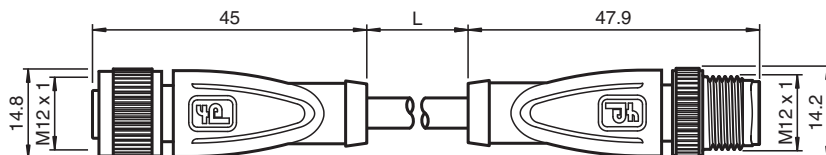
## Connection cable V19-G-BK1M-PVC-U-V19-G

- Degree of protection IP67 / IP68 / IP69
- Oil resistant
- cURus approval
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Cordset M12 socket straight to M12 plug straight A-coded, 8-pin, PVC cable black, UL approved



### Dimensions



### Technical Data

#### General specifications

Connector 1			
Connection			socket
Construction type			M12
Style			straight
Locking			screw connection
Number of pins			8
Coding			A-coded
Connector 2			
Connection			plug
Construction type			M12
Style			straight
Locking			screw connection
Number of pins			8
Coding			A-coded
UL File Number			E231213

#### Electrical specifications

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

#### Conformity

Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101
Flammability		UL 758 / 1581 , IEC 60332-1-2
Oil resistance		DIN EN 60811-2-1

Release date: 2023-07-03 Date of issue: 2023-07-04 Filename: 240775-100077\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

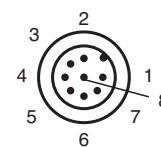
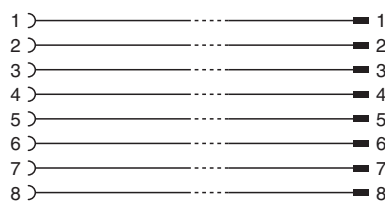
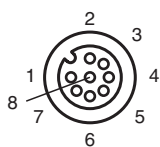
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PF** PEPPERL+FUCHS

## Technical Data








<b>Approvals and certificates</b>		
UL approval	AWM STYLE 2464 AWM I A/B 80°C 300V FT1 (cable)	
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector	-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	
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque	0.6 Nm	
Loosening protection	available	
Tool installation	straight knurling	
Mating cycles	min. 100	
Degree of protection	IP67 / IP68 / IP69	
Cable		
according to IEC/EN 60228 (DIN VDE 0295) class 6		
Sheath diameter	6.3 mm	
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed	
Sheath stripping force	max. 50 N / 300 mm	
Sheath color	black (similar to RAL 9005)	
Number of cores	8	
Core cross section	0.34 mm <sup>2</sup>	
Coors color	Core 1: white Core 2: brown Core 3: green Core 4: yellow Core 5: grey Core 6: pink Core 7: blue Core 8: red	
Core construction	42 x 0.1 mm Ø	
Length	L	1 m
Cable code	Li Y YM 8 x 0,34	
<b>Material</b>		
Plug connector		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, black	
Contact surface	Au	
Flammability	V-2	
Cable		
Sheathing	PVC	
Core insulation	PVC	
Oil resistance	yes	
Flammability	FT1	

## Connection



Release date: 2023-07-03 Date of issue: 2023-07-04 Filename: 240775-100077\_eng.pdf

**Accessories**

	<b>MH V1-SCREWDRIVER</b>	Torque screwdriver (0.6 Nm)
	<b>MH V1-BIT M12</b>	plug-in cap M12
	<b>V1/V3-LABELHOLDER</b>	Label holder
	<b>V1/V3-LABEL</b>	Label plate
	<b>MH V1-Holder</b>	Modular universal holder for M12 connectors
	<b>V1-CLIP</b>	Unlocking protector for M12 connector
	<b>V1-MARKING-RING-COLOR</b>	Marking rings for M12 connectors, various colors

Release date: 2023-07-03 Date of issue: 2023-07-04 Filename: 240775-100077\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com