



Connection cable

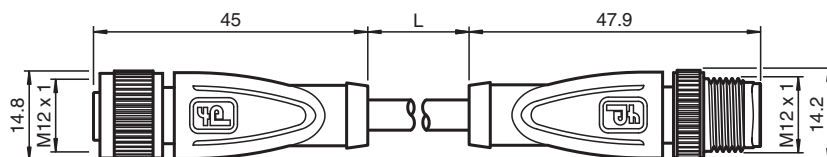
V19-G-BK70M-PVC-U-V19-G

- 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: 240775-100094_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

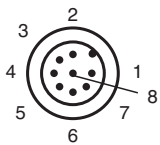
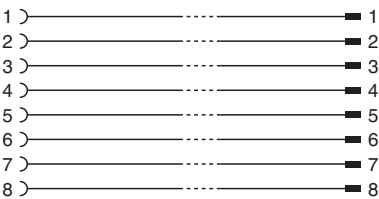
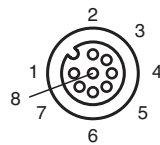
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Approvals and certificates		
UL approval		AWM STYLE 2464 AWM I A/B 80°C 300V FT1 (cable)
Ambient conditions		
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	
Mechanical specifications		
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 mm²	
Cores 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	70 m
Cable code	Li Y YM 8 x 0,34	
Material		
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: 240775-100094_eng.pdf

Accessories

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