

Connection cable

V31-GM-BK6M-PVC-U-V1-G

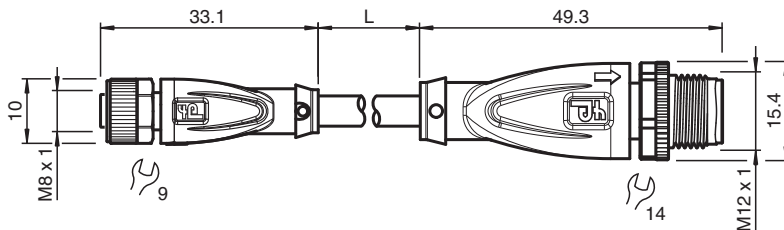


- Degree of protection IP66 / IP68
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Cordset M8 socket straight to M12 plug straight A-coded, 4-pin, PVC cable black, UL approved



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M8
Style		straight
Locking		screw connection
Number of pins		4
Coding		A-coded
Connector 2		
Connection		plug
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		A-coded

Electrical specifications

Operating voltage	U_B	max. 30 V AC/DC
Operating current	I_B	max. 4 A

Conformity

Degree of protection	EN 60529	
Plug connection	connector M8 x 1 : IEC 61076-2-104 connector M12 x 1 : IEC 61076-2-101	
Flammability	UL 1581 , IEC 60332-1-2	
Lead-free	RoHS directive 2011/65/EU	

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

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Technical Data

Approvals and certificates

UL approval		AWM STYLE 2095 AWM I/II A/B 80°C 300V FT1 (cable)
Maximum permissible operating current		max. 3 A
UL File Number		E231213

Ambient conditions

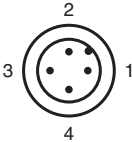
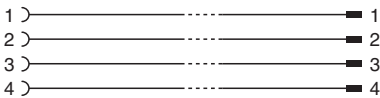
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed installation		-25 ... 80 °C (-13 ... 176 °F)
Cable, flexing		-5 ... 80 °C (23 ... 176 °F)
Pollution degree		3

Mechanical specifications

Connector 1		
Tightening torque		0.4 Nm
Loosening protection		integrated
Tool installation		straight knurling and hexagon nut SW = 9 mm
Mating cycles		min. 100
Degree of protection		IP66 / IP68
Connector 2		
Tightening torque		0.6 Nm
Loosening protection		integrated
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles		min. 100
Degree of protection		IP66 / IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		4.3 mm
Bending radius		> 15 x cable diameter, movable installation > 5 x cable diameter, fixed installation
Sheath stripping force		max. 50 N / 300 mm
Sheath color		black (similar to RAL 9005)
Number of cores		4
Core cross section		0.34 mm ²
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction		19 x 0.15 mm Ø
Length	L	6 m
Cable code		Li YY 4 x 0,34
Mass		192 g
Material		
Lead-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Seal		FKM
Contact surface		gold plated (Au)
Flammability		V-2
Cable		
Sheathing		PVC
Cores		bare copper (Cu)
Core insulation		PVC
Flammability		FT1
General information		
Cable marking sleeve		2x PUR transparent , fixed to cable

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Connection Assignment



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