

Connection cable

V31-WM-BK3M-PVC-U-V31-GM

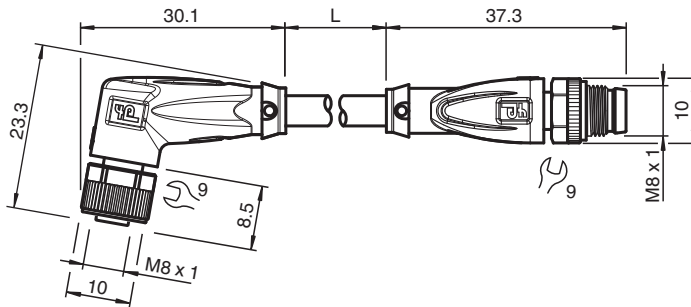


- Degree of protection IP68
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

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



Dimensions



Technical Data

General specifications

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

Conformity

Degree of protection	EN 60529	
Plug connection	connector M8 x 1 : IEC 61076-2-104	
Flammability	UL 1581 , IEC 60332-1-2	

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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)
UL File Number	E231213

Ambient conditions

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

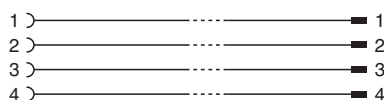
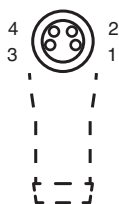
Mechanical specifications

Plug connector	
Tightening torque	0.4 Nm
Loosening protection	available
Tool installation	straight knurling and hexagon nut SW = 9 mm
Mating cycles	min. 100
Degree of protection	IP68
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter	4.3 mm
Bending radius	> 15 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	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 3 m
Cable code	Li YY 4 x 0,34

Material

Plug connector	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Seal	FKM
Contact surface	gold plated (Au)
Flammability	V-2
Cable	
Sheathing	PVC
Core insulation	PVC
Flammability	FT1

Connection



Accessories

	MH V3-SCREWDRIVER	Torque screwdriver (0.4 Nm)
	MH V3-BIT M8	plug-in cap for M8
	V1/V3-LABELHOLDER	Label holder
	V1/V3-LABEL	Label plate
	MH V3-Holder	Modular universal holder for M8 connectors