

# Female cordset

## V3-GM-BK5M-PVC-U

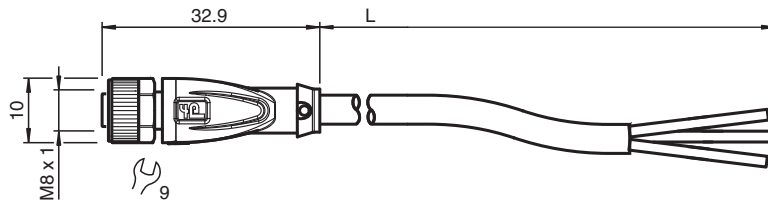


- Degree of protection IP68
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M8 straight A-coded, 3-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			3
Coding			A-coded
Connector 2			
Connection			cable end
Electrical specifications			
Operating voltage	U <sub>B</sub>		max. 48 V AC / 60 V DC
Operating current	I <sub>B</sub>		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

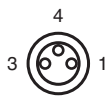
### Mechanical specifications

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	3
Core cross section	0.34 mm <sup>2</sup>
Cores color	Core 1: brown Core 3: blue Core 4: black
Core construction	19 x 0.15 mm Ø
Length	L 5 m
Cable code	Li YY 3 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 Assignment



1	-----	BN
3	-----	BU
4	-----	BK

## Accessories

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