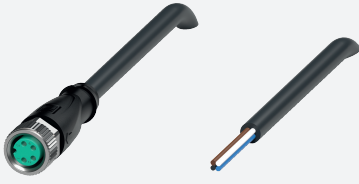


Female cordset

V31-GM-BK5M-PVC-U

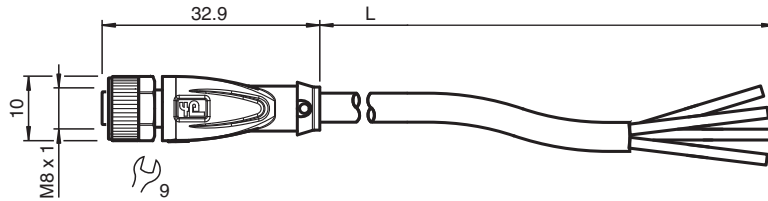


- Degree of protection IP68
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M8 straight A-coded, 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			cable end
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

Release date: 2022-11-28 Date of issue: 2022-11-28 Filename: 240799-0006_eng.pdf

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

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PF PEPPERL+FUCHS

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	5 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 Assignment



1	⌋	BN
2	⌋	WH
3	⌋	BU
4	⌋	BK

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