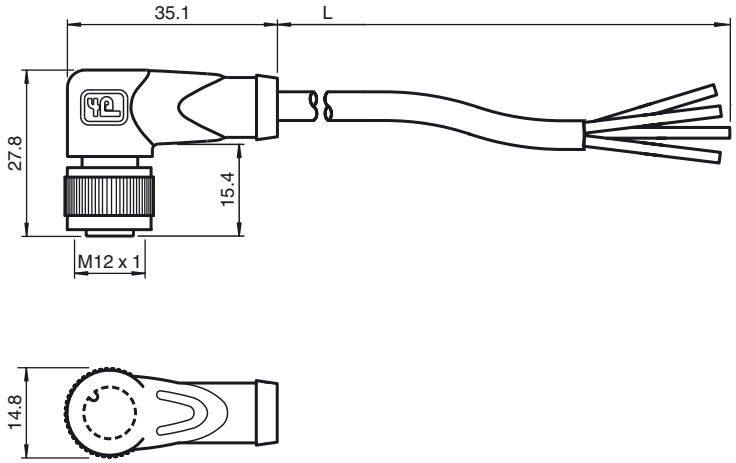


Dimensions



Technical data

General specifications		
Number of pins		4
Connection 1		socket
Construction type 1		right angle
Threading 1		M12
Connection 2		cable end
UL File Number		E231213
Electrical specifications		
Operating voltage	U_B	max. 250 V AC/DC
Operating current	I_B	max. 4 A
Volume resistance		< 5 mΩ
Ambient conditions		
Ambient temperature		Body: -40 ... 90 °C (-40 ... 194 °F) cable, flexing: -5 ... 80 °C (23 ... 176 °F) cable, fixed: -25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Contact elements		spring-loaded contact socket
Degree of protection		IP67 / IP68 / IP69k
Material		
Contacts		CuSn / Au
Contact surface		Au
Body		TPU, black
Cable		PVC, improved UV resistance
Slotted nut		Diecast zinc
Core insulation		PVC
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		Ø 4.3 mm
Bending radius		> 15 x cable diameter, moving > 5 x cable diameter, fixed
Color		black
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
Conductor construction		19 x 0.15 mm Ø
Length	L	5 m
Flammability		
Contact carrier		HB
Housing		V-2
Cable		FT1

Model Number

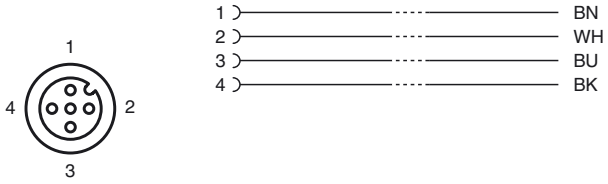
V1-W-BK5M-PVC-U

Female cordset, M12, 4-pin, PVC cable

Features

- UL Recognized Component
- Improved UV resistance
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Degree of protection IP67 / IP68 / IP69K
- Gold plated contacts

Electrical connection



Release date: 2019-10-08 15:27 Date of issue: 2019-10-08 225770_eng.xml

Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Specification	connector M12 x 1 : IEC 61076-2-101

Release date: 2019-10-08 15:27 Date of issue: 2019-10-08 225770_eng.xml

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