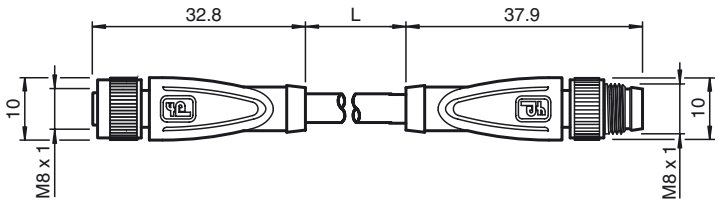


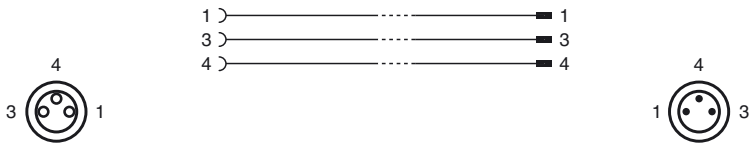
Dimensions



Technical data

General specifications		
Number of pins		3
Connection 1		socket
Construction type 1		straight
Threading 1		M8
Connection 2		Male connector
Construction type 2		straight
Threading 2		M8
UL File Number		E231213
Electrical specifications		
Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 3 A
Volume resistance		< 5 mΩ
Ambient conditions		
Ambient temperature		-40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Contact elements		spring-loaded contact socket
Pin diameter		1 mm
Degree of protection		IP67
Cable code		Li 9Y 11Y 3 x 0.34
Material		
Contacts		CuSn / Au
Contact surface		Au
Body		TPU, black
Cable		PUR
Slotted nut		Diecast zinc
Sleeve connector		Diecast zinc
Core insulation		PP
Cable		extra-fine wire, flexible
Sheath diameter		Ø 4.3 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color		black
Number of cores		3
Core cross-section		0.34 mm^2
Conductor construction		42 x 0.1 mm Ø
Length	L	5 m
Drag chain suitability		
Drag chain cycles		≥ 5000000
Motion velocity		≤ 3.3 m/s
Acceleration		≤ 5 m/s^2

Electrical connection



Model Number

V3-GM-BK5M-PUR-U-V3-GM

Connection cable, M8 to M8, 3-pin, PUR cable

Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Halogen-free
- Suitable for drag chains

Accessories

MH V3-SCREWDRIVER
torque screwdriver (0.4 Nm)

MH V3-BIT M8
plug-in cap for M8

MH V3-Holder
Modular universal holder for M8 connectors

V1/V3-LABEL
Label plate

Release date: 2019-07-15 13:46 Date of issue: 2019-07-15 230060_eng.xml

Torsional stress	± 180 °/m
Flammability	
Cable	FT2
Compliance with standards and directives	
Standard conformity	
Specification	connector M8 x 1 : IEC 61076-2-104
Approvals and certificates	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)

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