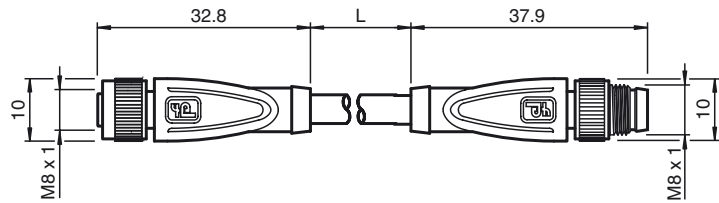




Dimensions



Model Number

V3-GM-BK2M-PUR-A-V31-GM

Cordset, 3-pin M8 to 4-pin M8, PUR cable, 3-pin

Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Resistant to microbes and hydrolysis
- Flame resistant cable
- 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-LABELHOLDER
Label holder

V1/V3-LABEL
Label plate

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

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 3 A
Volume resistance		< 5 m Ω

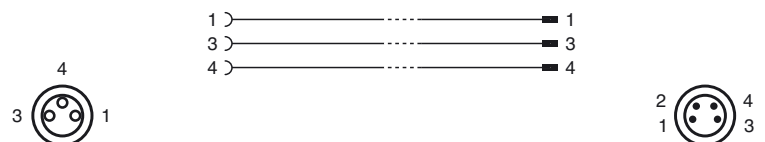
Ambient conditions

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F)
Pollution degree	3

Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67
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	\varnothing 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 \varnothing
Length	L 2 m
Drag chain suitability	
Drag chain cycles	\geq 5000000 (at max. 60 °C)
Motion velocity	\leq 3.3 m/s
Traverse distance	5 m horizontal
Acceleration	\leq 5 m/s ²
Torsion cycles	\geq 1000000 (at max. 60 °C)

Electrical connection



Release date: 2019-07-15 13:46 Date of issue: 2019-07-15 320792_eng.xml

Torsional stress	± 180 °/m
Flammability	
Contact carrier	94 HB
Housing	94 V-2
Cable	FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994
Specification	connector M8 x 1 : IEC 61076-2-104
Approvals and certificates	
UL approval	cURus, General Purpose, E231213
Maximum permissible operating voltage	≤ 42.4 V peak, Class 2 source only

Release date: 2019-07-15 13:46 Date of issue: 2019-07-15 320752_eng.xml

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