



Model Number

V3-GM-BK10M-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

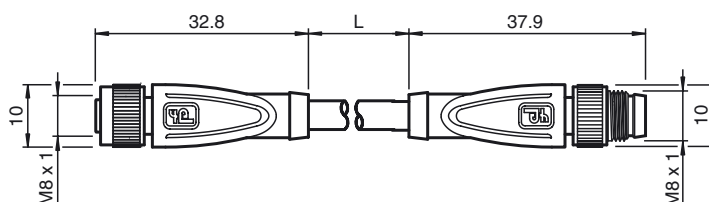
MH V3-SCREWDRIVER
torque screwdriver (0.4 Nm)

MH V3-BIT M8
plug-in cap for M8

MH V3-Holder
Modular universal holder for M8 connectors

V1/V3-LABEL
Label plate

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

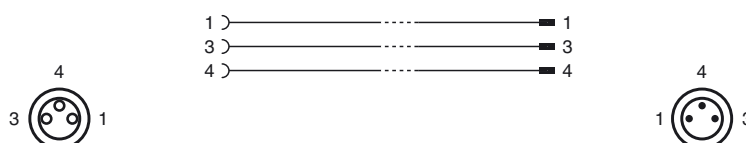
Material

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 10 m

Drag chain suitability

Drag chain cycles	≥ 5000000
Motion velocity	≤ 3.3 m/s
Acceleration	≤ 5 m/s ²

Electrical connection





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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