



Connection cable

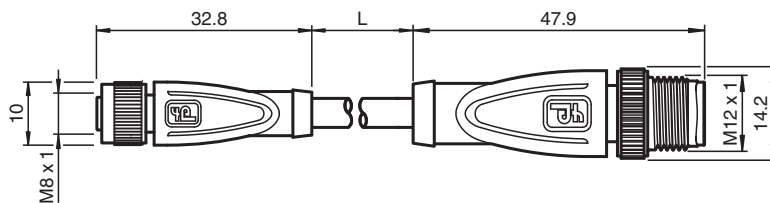
V3-GM-BK5M-PUR-U-V11-G

- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP67
- Free from substances that impair paint wetting
- Resistant to microbes and hydrolysis
- UV resistant
- cURus approval
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Cordset M8 socket straight to M12 plug straight A-coded, 3-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant



Dimensions



Technical Data

General specifications

Connector 1	
Connection	socket
Construction type	M8
Style	straight
Locking	screw connection
Number of pins	3
Coding	A-coded
Connector 2	
Connection	plug
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	3
Coding	A-coded
UL File Number	E231213

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

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 **PEPPERL+FUCHS**

Technical Data

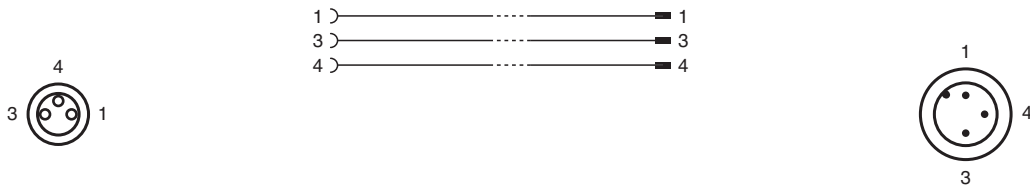
Electrical specifications			
Operating voltage	U _B	max. 48 V AC / 60 V DC	
Operating current	I _B	max. 4 A	
Conformity			
Degree of protection		EN 60529	
Plug connection		connector M8 x 1 : IEC 61076-2-104 connector M12 x 1 : IEC 61076-2-101	
Flammability		UL 1581; DIN EN 60332-2-2	
Halogen-free		IEC 60754-1	
Approvals and certificates			
UL approval		AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)	
Ambient conditions			
Ambient temperature			
Plug connector		-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			
Connector 1			
Tightening torque		0.4 Nm	
Loosening protection		available	
Tool installation		straight knurling	
Mating cycles		min. 100	
Degree of protection		IP67	
Connector 2			
Tightening torque		0.6 Nm	
Loosening protection		available	
Tool installation		straight knurling	
Mating cycles		min. 100	
Degree of protection		IP67 / IP68 / IP69	
Cable			
according to IEC/EN 60228 (DIN VDE 0295) class 6			
Sheath diameter		4.3 mm	
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed	
Sheath stripping force		max. 80 N / 300 mm	
Sheath color		black (similar to RAL 9005)	
Number of cores		3	
Core cross-section		0.34 mm ²	
Cores color		Core 1: brown Core 3: blue Core 4: black	
Core construction		42 x 0.1 mm Ø	
Length	L	5 m	
Cable code		Li 9Y 11Y 3 x 0.34	
Drag chain suitability			
Drag chain cycles		min. 5000000	
Motion velocity		max. 3.3 m/s	
Traverse distance		max. 5 m	
Acceleration		max. 5 m/s ²	
Torsion cycles		min. 1000000	
Torsional stress		± 180 °/m	
Material			
LABS free		yes	
Halogen-free		yes	

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Technical Data

Plug connector	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Contact surface	Au
Flammability	V-2
Cable	
Sheathing	PUR based on polyether
Core insulation	PP
UV resistance	yes
Chemical resistance	good
Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

Connection Assignment



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