

Connection cable

V3-GM-BK25M-PUR-U-V3-GM

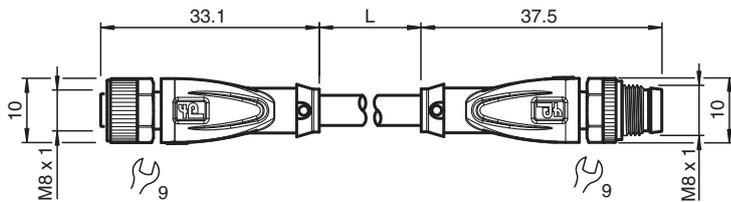


- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP66 / IP68
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M8 socket straight to M8 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		M8	
Style		straight	
Locking		screw connection	
Number of pins		3	
Coding		A-coded	
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	
Flammability		UL 1581; DIN EN 60332-2-2	
Halogen-free		DIN VDE 0472-815 IEC 60754-1	

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

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Technical Data

Lead-free	RoHS directive 2011/65/EU	
Approvals and certificates		
UL approval	AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)	
Maximum permissible operating current	max. 3 A	
UL File Number	E231213	
Ambient conditions		
Ambient temperature		
Plug connector	-40 ... 90 °C (-40 ... 194 °F)	
Cable, fixed installation	-40 ... 80 °C (-40 ... 176 °F)	
Cable, flexing	-20 ... 80 °C (-4 ... 176 °F)	
Pollution degree	3	
Mechanical specifications		
Plug connector		
Tightening torque	0.4 Nm	
Loosening protection	integrated	
Tool installation	straight knurling and hexagon nut SW = 9 mm	
Mating cycles	min. 100	
Degree of protection	IP66 / IP68	
Cable		
Sheath diameter	4.3 mm	
Bending radius	> 10 x cable diameter, movable installation > 5 x cable diameter, fixed installation	
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	25 m
Cable code	Li F 9Y 11Y 3 x 0,34	
Drag chain suitability		
Test temperature	25 °C (77 °F)	
Drag chain cycles	min. 10000000	
Motion velocity	max. 3 m/s	
Traverse distance	max. 5 m	
Acceleration	max. 5 m/s ²	
Torsion cycles	min. 1000000	
Torsional stress	± 180 °/m	
Mass	617.5 g	
Material		
PWIS free	yes	
Halogen-free	yes	
Lead-free	yes	
Plug connector		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, black	
Seal	FKM	
Contact surface	gold plated (Au)	
Flammability	V-2	
Cable		
Sheathing	PUR based on polyether	
Cores	bare copper (Cu)	

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Core insulation	PP
UV resistance	yes
Chemical resistance	good
Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2
General information	
Cable marking sleeve	2x PUR transparent , fixed to cable

Connection Assignment



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