

# Female cordset

## V3-WM-E2-BK5M-PUR-U

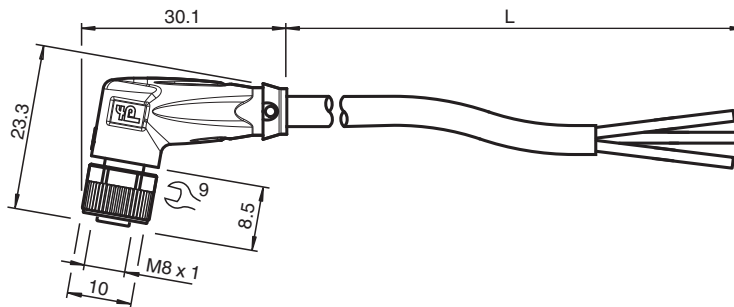


- Built-in LED, as operating and function indicator
- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP68
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for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

Female cordset single-ended M8 angled A-coded, LED 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		angled	
Locking		screw connection	
Number of pins		3	
Coding		A-coded	
Connector 2			
Connection		cable end	
Indicators/operating means			
LED green		Operating display	
LED yellow		Functional display pin 4	
Electrical specifications			
Operating voltage	$U_B$	max. 24 V DC -20 % / +25 %	
Operating current	$I_B$	max. 3 A	
Conformity			
Degree of protection		EN 60529	
Plug connection		connector M8 x 1 : IEC 61076-2-104	

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

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## Technical Data

Flammability	UL 1581; DIN EN 60332-2-2	
Halogen-free	IEC 60754-1	
<b>Approvals and certificates</b>		
UL approval	AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)	
UL File Number	E231213	
<b>Ambient conditions</b>		
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	
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque	0.4 Nm	
Loosening protection	available	
Tool installation	straight knurling and hexagon nut SW = 9 mm	
Mating cycles	min. 100	
Degree of protection	IP68	
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 <sup>2</sup>	
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 <sup>2</sup>	
Torsion cycles	min. 1000000	
Torsional stress	± 180 °/m	
<b>Material</b>		
PWIS free	yes	
Halogen-free	yes	
Plug connector		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, transparent	
Seal	FKM	
Contact surface	gold plated (Au)	
Flammability	V-2	
Cable		
Sheathing	PUR based on polyether	
Core insulation	PP	
UV resistance	yes	
Chemical resistance	good	
Oil resistance	yes	

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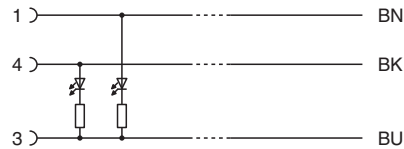
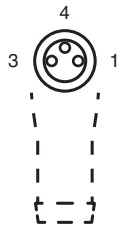
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### Technical Data

Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

### Connection



### Accessories

	<b>MH V3-SCREWDRIVER</b>	Torque screwdriver (0.4 Nm)
	<b>MH V3-BIT M8</b>	plug-in cap for M8
	<b>V1/V3-LABELHOLDER</b>	Label holder
	<b>V1/V3-LABEL</b>	Label plate
	<b>MH V3-Holder</b>	Modular universal holder for M8 connectors

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