

# Connection cable, shielded

## V19-W-BK3M-PUR-U/ABG-V19-G



- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for USA and Canada
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket angled to M12 plug straight A-coded, 8-pin, PUR cable black, shielded, UL-approved, drag chain suitable



### Dimensions



### Technical Data

#### General specifications

<b>Connector 1</b>		
Connection		socket
Construction type		M12
Style		angled
Locking		screw connection
Number of pins		8
Coding		A-coded
<b>Connector 2</b>		
Connection		plug
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		8
Coding		A-coded

#### Electrical specifications

Operating voltage	$U_B$	max. 30 V AC/DC
Operating current	$I_B$	max. 2 A

#### Conformity

Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101

Release date: 2023-07-05 Date of issue: 2023-07-05 Filename: 2411623\_eng.pdf

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	
Microbial resistance	EN 50363	
Hydrolysis resistance	EN 50363	
<b>Approvals and certificates</b>		
UL approval	AWM STYLE 20549 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	0.6 Nm	
Loosening protection	available	
Tool installation	straight knurling and hexagon nut SW = 14 mm	
Mating cycles	min. 100	
Shielding	shield connected to screw connection	
Degree of protection	IP68 / IP69	
Cable		
Sheath diameter	6 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	8	
Core cross section	0.25 mm <sup>2</sup>	
Coors color	Core 1: white Core 2: brown Core 3: green Core 4: yellow Core 5: grey Core 6: pink Core 7: blue Core 8: red	
Core construction	32 x 0.1 mm Ø	
Shield	tinned copper braiding, 85 % coverage	
Length	L	3 m
Cable code	Li 9Y C 11Y 8 x 0,25	
Drag chain suitability		
Drag chain cycles	min. 5000000	
Motion velocity	max. 3 m/s	
Traverse distance	max. 5 m	
Acceleration	max. 5 m/s <sup>2</sup>	
<b>Material</b>		
PWIS free	yes	
Halogen-free	yes	
Plug connector		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, black	
Seal	FKM	
Contact surface	gold plated (Au)	
Flammability	V-2	
Cable		

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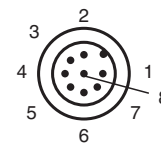
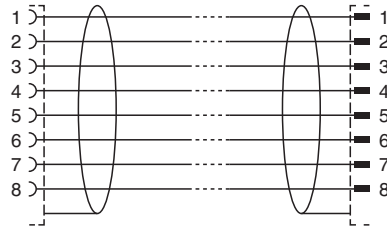
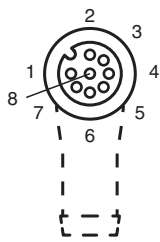
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## Technical Data

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



## Accessories

	<b>MH V1-SCREWDRIVER</b>	Torque screwdriver (0.6 Nm)
	<b>MH V1-BIT M12</b>	plug-in cap M12
	<b>V1/V3-LABELHOLDER</b>	Label holder
	<b>V1/V3-LABEL</b>	Label plate
	<b>MH V1-Holder</b>	Modular universal holder for M12 connectors
	<b>V1-CLIP</b>	Unlocking protector for M12 connector
	<b>V1-MARKING-RING-COLOR</b>	Marking rings for M12 connectors, various colors

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