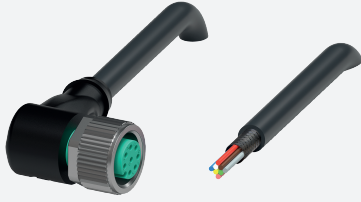


# Cable socket, shielded

## V19-W-BK20M-PUR-U/ABG

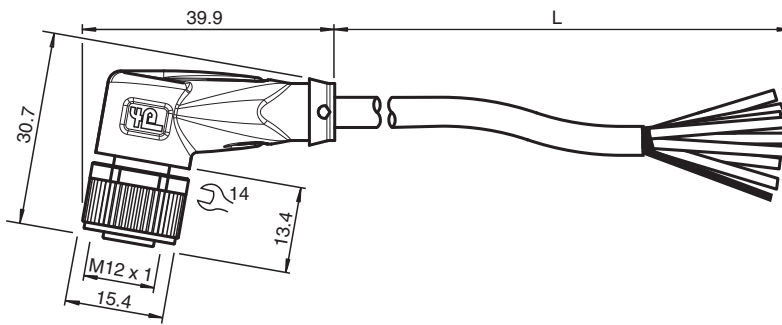


- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for USA and Canada
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 angled A-coded, 8-pin, PUR cable black, shielded, UL approved, drag chain suitable



### Dimensions



### Technical Data

#### General specifications

Connector 1	
Connection	socket
Construction type	M12
Style	angled
Locking	screw connection
Number of pins	8
Coding	A-coded
Connector 2	
Connection	cable end

#### 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
Flammability	UL 1581; DIN EN 60332-2-2
Halogen-free	IEC 60754-1
Microbial resistance	EN 50363
Hydrolysis resistance	EN 50363

#### Approvals and certificates

Release date: 2023-09-04 Date of issue: 2023-09-05 Filename: 240005-100001\_eng.pdf

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

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**PF** PEPPERL+FUCHS

## Technical Data

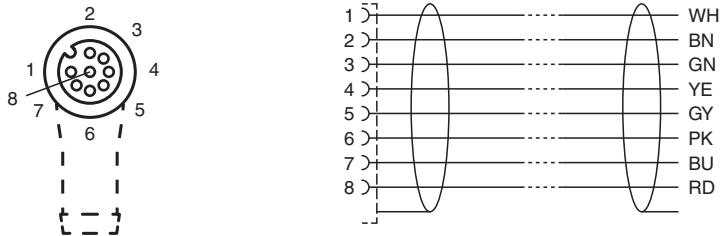
UL approval	AWM STYLE 20549 I/II A/B 80°C 300V FT2 (cable)	
UL File Number	E231213	
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector	-40 ... 90 °C (-40 ... 194 °F)	
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)	
Cable, flexing	-20 ... 80 °C (-4 ... 176 °F)	
Pollution degree	3	
<b>Mechanical 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	according to IEC/EN 60228 (DIN VDE 0295) class 6	
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>	
Cores 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	20 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		
Sheathing	PUR based on polyether	
Core insulation	PP	
UV resistance	yes	
Chemical resistance	good	
Oil resistance	yes	

Release date: 2023-09-04 Date of issue: 2023-09-05 Filename: 240005-100001\_eng.pdf








## Technical Data

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