



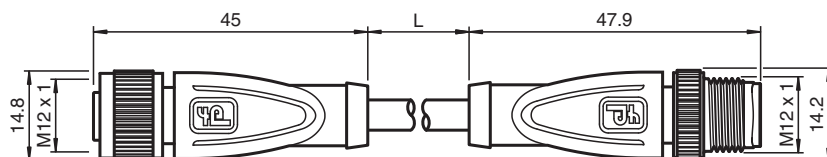
## Connection cable V19-G-BK60M-PVC-U-V19-G

- Degree of protection IP67 / IP68 / IP69
- Oil resistant
- cURus approval
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Cordset M12 socket straight to M12 plug straight A-coded, 8-pin, PVC cable black, UL approved



### Dimensions



### Technical Data

#### General specifications

Connector 1			
Connection			socket
Construction type			M12
Style			straight
Locking			screw connection
Number of pins			8
Coding			A-coded
Connector 2			
Connection			plug
Construction type			M12
Style			straight
Locking			screw connection
Number of pins			8
Coding			A-coded
UL File Number			E231213

#### 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 758 / 1581 , IEC 60332-1-2
Oil resistance		DIN EN 60811-2-1

Release date: 2023-07-03 Date of issue: 2023-07-04 Filename: 240775-100093\_eng.pdf

## Technical Data

### Approvals and certificates

UL approval	AWM STYLE 2464 AWM I A/B 80°C 300V FT1 (cable)
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### 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

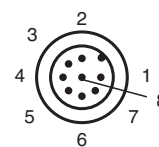
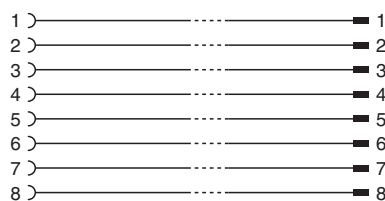
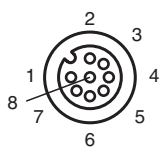
### Mechanical specifications

Plug connector	
Tightening torque	0.6 Nm
Loosening protection	available
Tool installation	straight knurling
Mating cycles	min. 100
Degree of protection	IP67 / IP68 / IP69
Cable	
Sheath diameter	6.3 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath stripping force	max. 50 N / 300 mm
Sheath color	black (similar to RAL 9005)
Number of cores	8
Core cross section	0.34 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	42 x 0.1 mm Ø
Length	L 60 m
Cable code	Li Y YM 8 x 0,34

### Material

Plug connector	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Contact surface	Au
Flammability	V-2
Cable	
Sheathing	PVC
Core insulation	PVC
Oil resistance	yes
Flammability	FT1

## 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