

# Female cordset

## V19-G-BK1M-PVC-U-YSTE2

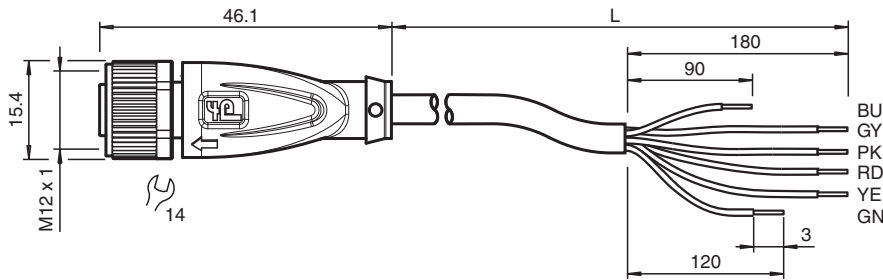


- Degree of protection IP68 / IP69
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 straight A-coded, 8-pin, PVC cable 6-core black, UL approved



### Dimensions



### Technical Data

#### General specifications

Customization	customer-specific printing core ends 3 mm stripped	
Connector 1		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		8
Coding		A-coded
Connector 2		
Connection		cable end

#### Electrical specifications

Operating voltage	U <sub>B</sub>	max. 30 V AC/DC
Operating current	I <sub>B</sub>	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

#### Approvals and certificates

UL approval	AWM STYLE 2464 AWM I A/B 80°C 300V FT1 (cable)
UL File Number	E231213

Release date: 2023-09-05 Date of issue: 2023-09-05 Filename: 70162398\_eng.pdf

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

## Technical Data

### 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

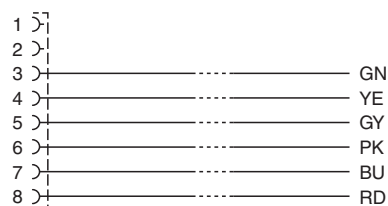
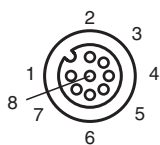
### Mechanical specifications

Plug connector	
Tightening torque	0.6 Nm
Loosening protection	available
Tool installation	straight knurling and hexagon nut SW = 14 mm
Mating cycles	min. 100
Degree of protection	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: not used Core 2: not used 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 1 m
Cable code	Li Y YM 8 x 0,34

### Material

Plug connector	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Seal	FKM
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