

Connection cable, shielded

V19-G-BK1M-PUR-O2S-V19-W

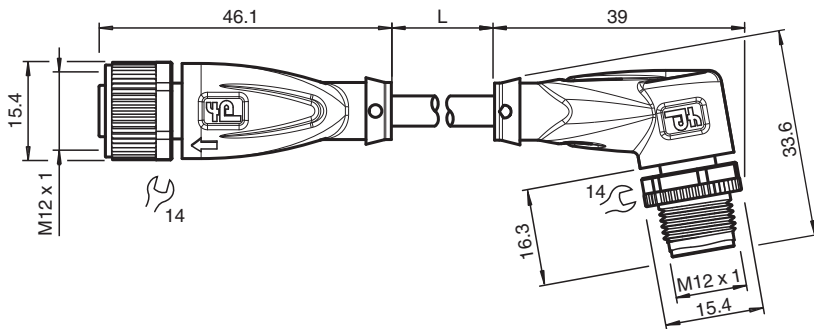


- Suitable for outdoor use (UV- and ozone resistant)
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- UL listed for USA and Canada
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M12 plug angled A-coded, 8-pin, PUR cable black, shielded, UL approved, oil resistant, salt water resistant



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

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Technical Data

Plug connection		connector M12 x 1 : IEC 61076-2-101
Flammability		UL 758 / 1581 , IEC 60332-2-2
Halogen-free		IEC 60754-2
Oil resistance		DIN EN 60811-2-1
Approvals and certificates		
UL approval		AWM STYLE 20549 105°C 300V FT2 (cable)
UL File Number		E231213
Ambient conditions		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-50 ... 105 °C (-58 ... 221 °F)
Cable, flexing		-30 ... 105 °C (-22 ... 221 °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
Shielding		shield connected to screw connection
Degree of protection		IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		6.2 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		0.34 mm ²
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		19 x 0.15 mm Ø
Shield		tinned copper braiding, 85 % coverage
Length	L	1 m
Cable code		Li 9Y 11YM 8 x 0,34
Material		
PWIS free		yes
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Seal		FKM
Contact surface		Au
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
Salt water resistance		yes
UV resistance		yes
Oil resistance		yes

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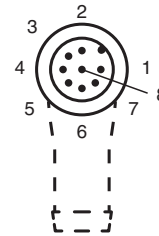
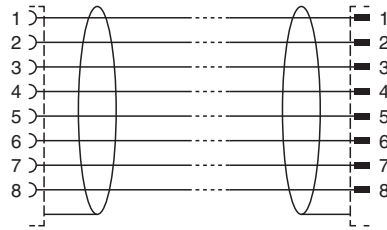
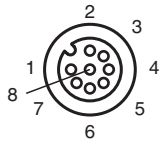
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Technical Data

Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

Connection



Accessories

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

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