

Connection cable, shielded

V31-GM-3M-PUR-V31-GM-UDB/UDC

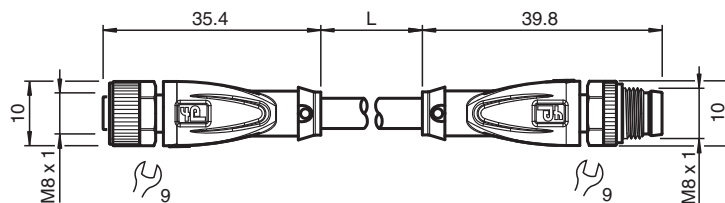


- Cable for extensionn between emitter and receiver for UDB-18GS-..., UDC-18GS-... and UDC(M)-30GS-...
- Degree of protection IP68
- Free of paint wetting interfering substances
- UL listed for USA and Canada
- Halogen-free
- Shield connected to pin 4
- Specific design protects against loosening and inaccurate installation

Cordset M8 socket straight to M8 plug straight A-coded, 4-pin, PUR cable 3-core black, shielded, UL approved



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M8
Style		straight
Locking		screw connection
Number of pins		4
Coding		A-coded
Connector 2		
Connection		plug
Construction type		M8
Style		straight
Locking		screw connection
Number of pins		4
Coding		A-coded

Electrical specifications

Operating voltage	U_B	max. 30 V AC/DC
Operating current	I_B	max. 3 A

Conformity

Degree of protection		EN 60529
Plug connection		connector M8 x 1 : IEC 61076-2-104
Flammability		IEC 60332-1-2
Halogen-free		IEC 60754-2

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

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Technical Data

Approvals and certificates

UL approval		AWM STYLE 20549/10493 80°C 300V FT2 (cable)
UL File Number		E231213

Ambient conditions

Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-40 ... 85 °C (-40 ... 185 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3

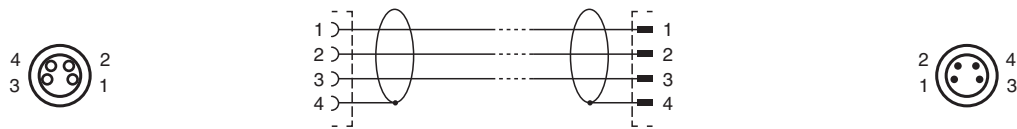
Mechanical specifications

Plug connector		
Tightening torque		0.4 Nm
Loosening protection		available
Tool installation		straight knurling and hexagon nut SW = 9 mm
Mating cycles		min. 100
Shielding		shield connected to pin 4
Degree of protection		IP68
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		4.3 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath color		black (similar to RAL 9005)
Number of cores		3
Core cross section		0.14 mm ²
Cores color		Core 1: brown Core 2: black Core 3: blue
Core construction		18 x 0.1 mm Ø
Shield		tinned copper braiding, 85 % coverage
Length	L	3 m
Cable code		Li 9Y C11Y 3 x 0,14

Material

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
Hydrolysis resistance		yes
Flammability		FT2

Connection



Installation

Hinweis
Only use the cables specified by Pepperl+Fuchs for this purpose to extend the connecting cable between the transmitter and receiver of the ultrasonic double sheet detectors. The use of other cables will result in impairment of the sensor function or even loss of function.

Accessories

	MH V3-SCREWDRIVER	Torque screwdriver (0.4 Nm)
	MH V3-BIT M8	plug-in cap for M8
	V1/V3-LABELHOLDER	Label holder
	V1/V3-LABEL	Label plate
	MH V3-Holder	Modular universal holder for M8 connectors