

# Connection cable, shielded

## V31-GM-2M-PUR-V31-GM-UDB/UDC

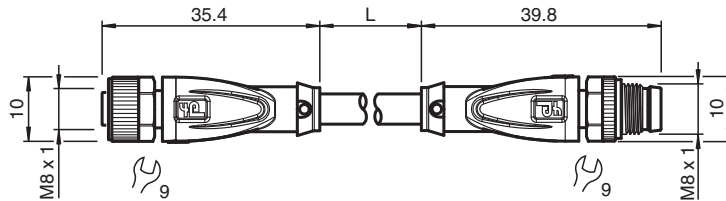


- Cable for extensionn between emitter and receiver for UDB-18GS-..., UDC-18GS-... and UDC(M)-30GS-...
- Degree of protection IP68
- Free of paint wetting interfering substances
- Halogen-free
- Shield connected to pin 4
- Specific design protects against loosening and inaccurate installation

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



### 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

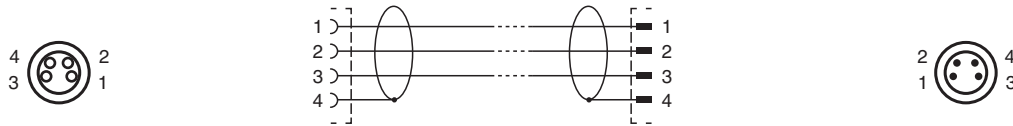
#### Approvals and certificates

Release date: 2024-04-15 Date of issue: 2024-04-15 Filename: 70148172\_eng.pdf

## Technical Data

UL approval		The UL certificate of the double sheet sensors series UD*GS* includes and therefore allows the use of this extension cable with these devices.
<b>Ambient conditions</b>		
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
<b>Mechanical specifications</b>		
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 <sup>2</sup>
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	2 m
Cable code		Li 9Y C11Y 3 x 0,14
Mass		59.33 g
<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
Hydrolysis resistance		yes
Flammability		FT2

## Connection



## Installation

### Note

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.