

# Connection cable, shielded

## V15B-G-1M-PUR-ABG-V15B-G

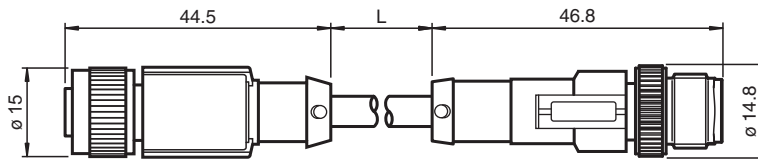


- Data transmission up to 12 MBaud
- Halogen-free
- Shield connected to screw connection
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

PROFIBUS bus cable M12 socket straight to M12 plug straight B-coded, 5-pin, PUR cable 2-core violet, shielded



### Dimensions



### Technical Data

#### General specifications

##### Connector 1

Connection	socket
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	5
Coding	B-coded

##### Connector 2

Connection	plug
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	5
Coding	B-coded

#### Electrical specifications

Operating voltage	$U_B$	max. 48 V AC / 60 V DC
Operating current	$I_B$	max. 4 A

#### Conformity

Degree of protection	EN 60529
Plug connection	connector M12 x 1 : IEC 61076-2-101
Flammability	UL 1581; DIN EN 60332-1-2
Halogen-free	DIN VDE 0472-815 IEC 60754-1

Release date: 2023-07-04 Date of issue: 2023-07-04 Filename: 186242\_eng.pdf

## Technical Data

### Ambient conditions

Ambient temperature		
Plug connector		-25 ... 90 °C (-13 ... 194 °F)
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-30 ... 80 °C (-22 ... 176 °F)
Pollution degree		3

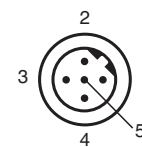
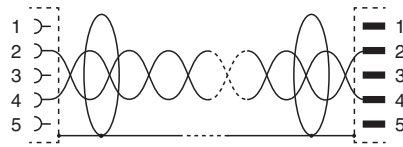
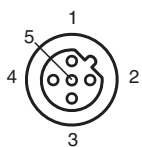
### Mechanical specifications

Plug connector		
Tightening torque		0.4 Nm
Loosening protection		available
Tool installation		straight knurling
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP65 / IP67/ IP68
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		7.8 mm
Bending radius		min. 40 mm , active min. 65 mm , fixed
Sheath color		violet (similar to RAL 4001)
Number of cores		2
Core cross section		0.25 mm <sup>2</sup>
Cores color		Core 2: green Core 4: red
Core construction		19 x 0.13 mm Ø
Shield		tinned copper braiding, 85 % coverage
Length	L	1 m


### Material

Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Seal		NBR
Contact surface		Ni/Au
Flammability		V-0
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
Flammability		FT1

## Connection









## Accessories

	<b>MH V1-SCREWDRIVER</b>	Torque screwdriver (0.6 Nm)
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## Accessories

	<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