

Connection cable, shielded

V15B-G-5M-PUR-ABG-V15B-G

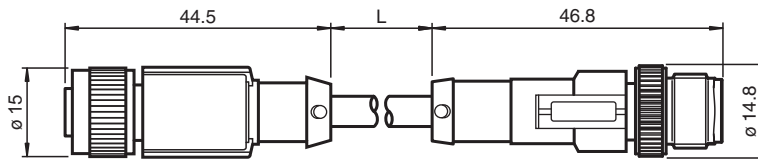


- Data transmission up to 12 MBaud
- Halogen-free
- Shield connected to screw connection
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

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: 128299_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

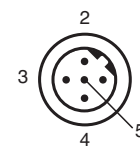
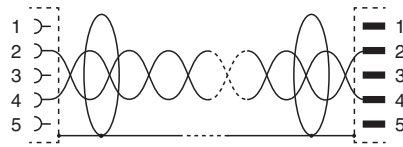
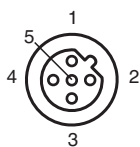
Mechanical specifications

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 ²
Cores color		Core 2: green Core 4: red
Core construction		19 x 0.13 mm Ø
Shield		tinned copper braiding, 85 % coverage
Length	L	5 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

	MH V1-SCREWDRIVER	Torque screwdriver (0.6 Nm)
---	--------------------------	-----------------------------

Release date: 2023-07-04 Date of issue: 2023-07-04 Filename: 128299_eng.pdf

Accessories

	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