Model Number

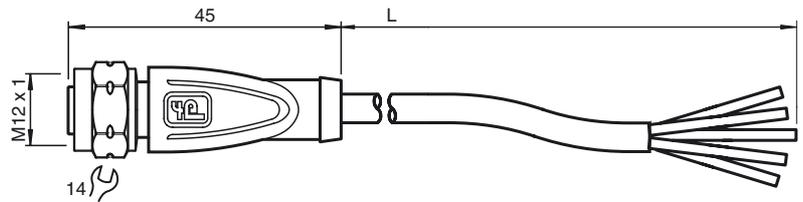**V15-GV4A-BK3M-PUR-U5/ABG-MOBA**

Single-ended female cordset, M12, stainless steel, 5-pin, shielded, PUR cable

Features

- Shield attached to coupling nut
- UL Recognized Component
- Coupling nut V4A
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Flame resistant cable
- Halogen-free

Dimensions

Technical data

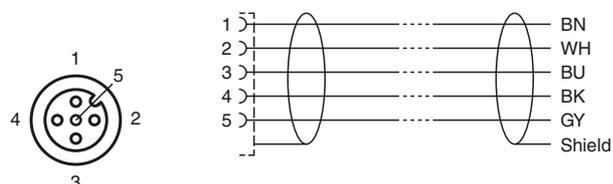| General specifications		
Number of pins		5 + shield
Connection 1		socket
Construction type 1		straight
Threading 1		M12
Connection 2		cable end
UL File Number		E231213
Electrical specifications		
Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 4 A
Contact resistance		< 10 mΩ
Ambient conditions		
Ambient temperature		Body: -40 ... 90 °C (-40 ... 194 °F)
		Cable: -30 ... 105 °C (-22 ... 221 °F) active
		-50 ... 105 °C (-58 ... 221 °F) fixed
Pollution degree		3
Mechanical specifications		
Contact elements		spring-loaded contact socket
Pin diameter		1 mm
Degree of protection		IP67 / IP68 / IP69k
Cable code		Li 9Y C 11Y 5 x 0.50
Material		
Contacts		CuSn / Au
Contact surface		Au
Body		TPU, black
Cable		PUR
Slotted nut		Stainless steel 1.4435 / AISI 316L
Seal		FKM
Core insulation		PP
Cable		fine-strand, flexible
Sheath diameter		Ø 6 mm ± 0.15 mm
Bending radius		> 10 x cable diameter, moving
		> 5 x cable diameter, fixed
Color		black
Cores		5 x 0.5 mm^2
Conductor construction		16 x 0.2 mm Ø
Shield		grid covering 85 %
Length	L	3 m
Flammability		
Contact carrier		94 HB
Housing		94 V-2
Cable		FT2
Note		Stripped 10 cm, twisted shielding

Electrical connection

1	BN
2	WH
3	BU
4	BK
5	GY
	Shield

Release date: 2019-07-15 17:04   Date of issue: 2019-07-15   70100898_eng.xml

1

Compliance with standards and directives

Standard conformity	
Degree of protection	EN 60529
Halogen-free	IEC 60754-1
Specification	connector M12 x 1 : IEC 61076-2-101

Accessories

MH V1-SCREWDRIVER
torque screwdriver (0.6 Nm)

MH V1-Holder
Modular universal holder for M12 connectors

V1-MARKING-RING-BLUE
Marking ring for M12 plug

V1-MARKING-RING-GREEN
Marking ring for M12 plug

V1-MARKING-RING-ORANGE
Marking ring for M12 plug

V1-MARKING-RING-RED
Marking ring for M12 plug

V1-MARKING-RING-WHITE
Marking ring for M12 plug

V1-MARKING-RING-YELLOW
Marking ring for M12 plug

V1/V3-LABELHOLDER
Label holder

V1/V3-LABEL
Label plate

MH V1-BIT M12-W14-HEX
Plug-in attachment for M12 with hex stainless steel knurled nut

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

2

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