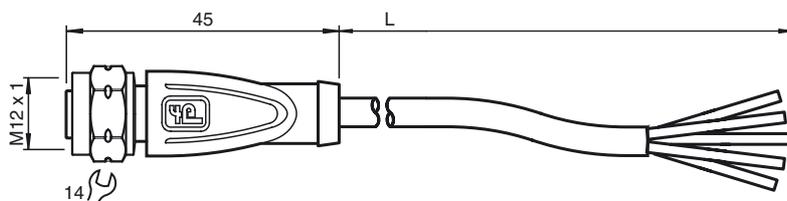## Dimensions

45   L

M12 x 1

14

Model Number

V15-GV4A-BK10M-PUR-U

Single-ended female cordset, M12, stainless steel V4A, 5-pin, PUR cable

Features

- UL Recognized Component
- Suitable for drag chains
- Coupling nut V4A
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69K
- Flame resistant cable
- Halogen-free

Technical data

General specifications
Number of pins	5
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
Volume resistance		< 5 mΩ

Ambient conditions
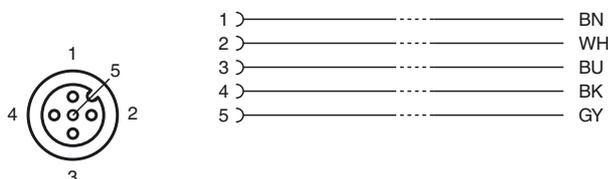|	
Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F)
Pollution degree	3

Mechanical specifications
Contact elements		spring-loaded contact socket
Pin diameter		1 mm
Degree of protection		IP67 / IP68 / IP69k
Material		
Contacts		CuSn
Contact surface		Ni/Au
Body		TPU, black
Cable		PUR
Slotted nut		Stainless steel 1.4435 / AISI 316L
Core insulation		PP
Cable		extra-fine wire, flexible
Sheath diameter		Ø4.8 mm
Bending radius		> 10 x cable diameter, appropriate for conveyor chains > 5 x cable diameter, fixed
Color		black
Cores		5 x 0.34 mm^2
Conductor construction		42 x 0.1 mm Ø
Length	L	10 m
Flammability		
Contact carrier		HB
Housing		V-2
Cable		FT2

Compliance with standards and directives
Standard conformity	
Degree of protection	EN 60529:2000

Electrical connection

1	BN
2	WH
3	BU
4	BK
5	GY

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Flammability	Body: UL 94
	Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994
Specification	connector M12 x 1 : IEC 61076-2-101
Approvals and certificates	
UL approval	UL Recognized General purpose
Maximum permissible operating voltage	≤ 30 V
Maximum permissible ambient temperature	≤ 80 °C (≤ 176 °F)

Accessories

MH V1-SCREWDRIVER
torque screwdriver (0.6 Nm)

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-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

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

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