Dimensions

45   L

14.8   M12 x 1

Technical data

General specifications

Number of pins	4 + shield
Connection 1	socket
Construction type 1	straight
Threading 1	M12
Connection 2	cable end

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 4 A
Contact resistance		$< 10\ m\Omega$

Ambient conditions

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F) cable, fixed: -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 / Au
Contact surface		Au
Body		TPU, black
Cable		PUR
Slotted nut		Diecast zinc
Core insulation		PP
Cable		fine-strand, flexible
Sheath diameter		Ø 4.8 mm
Bending radius		> 10 x cable diameter, moving 5 x cable diameter, single bend
Color		grey
Cores		4 x 0.34 mm^2
Conductor construction		19 x 0.15 mm Ø
Shield		grid covering 85 %
Length	L	5 m
Flammability		
Contact carrier		94 HB
Housing		94 V-2

Compliance with standards and directives

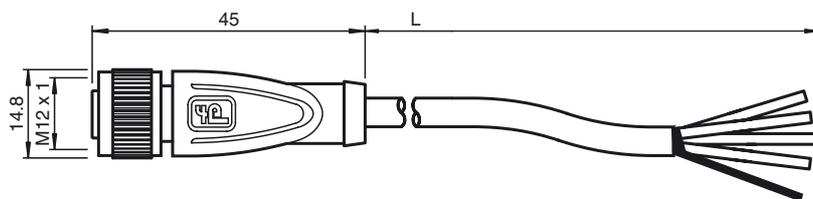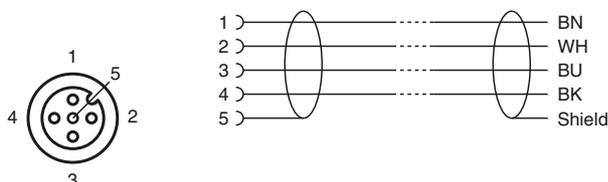|	
Standard conformity	
Degree of protection	EN 60529:2000

Model Number

V15-G-5M-PUR-ABG5

Female cordset, M12, 4-pin, PUR cable, screen on pin 5

Features

- Shield applied to Pin 5
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Degree of protection IP67 / IP68 / IP69K
- Halogen-free

Electrical connection

1	BN
2	WH
3	BU
4	BK
5	Shield

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

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Standards	IEC 61076-2-101:2008 Limited to a maximum of 500 VDC for insulation strength and surge voltage strength
Flammability	Grip: UL 94
Specification	connector M12 x 1 : IEC 61076-2-101

Accessories

MH V1-SCREWDRIVER
torque screwdriver (0.6 Nm)

MH V1-BIT M12
plug-in cap M12

MH V1-Holder
Modular universal holder for M12 connectors

V1/V3-LABELHOLDER
Label holder

V1/V3-LABEL
Label plate

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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