



Model Number

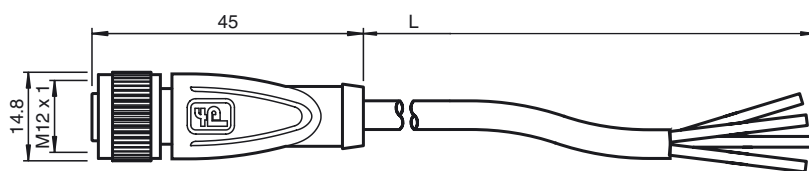
V1-G-BK5M-PUR-O1

Single-ended female cordset, M12, 4-pin, PUR cable, outdoor

Features

- Raw cable with cURus approval
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Halogen-free
- Resistant to salt water
- Suitable for drag chains
- Suitable for outdoor use (UV- and ozone resistant)
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69K

Dimensions



Technical data

General specifications

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

Electrical specifications

Operating voltage	U_B	max. 300 V AC
Operating current	I_B	max. 4 A
Lead resistance		Max. 39 Ω /km

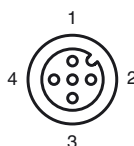
Ambient conditions

Ambient temperature	Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -50 ... 105 °C (-58 ... 221 °F) cable, flexing: -30 ... 105 °C (-22 ... 221 °F)
Pollution degree	3

Mechanical specifications

Contact elements	spring-loaded contact socket
Pin diameter	1 mm
Degree of protection	IP67 / IP68 / IP69k
Cable code	(4 Li9Y 0,50 mm ²) 11Y
Material	
Contacts	CuSn / Au
Contact surface	Au
Body	TPU, black
Cable	PUR
Slotted nut	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	$\varnothing$ 4.8 mm $\pm$ 0.15 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Number of cores	4
Core cross-section	0.5 mm ²
Conductor construction	28 x 0.15 mm $\varnothing$ 1 x symmetrically twisted
Length	L 5 m
Drag chain suitability	
Drag chain cycles	$\geq$ 2000000
Motion velocity	$\leq$ 3 m/s
Traverse distance	$\leq$ 10 m
Acceleration	$\leq$ 10 m/s ²
Flammability	
Contact carrier	94 HB
Housing	94 V-2

Electrical connection



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

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Cable	cURus AWM 21924/11558 105°C 300V FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Flammability	UL 1581; DIN EN 60332-2-2
Halogen-free	DIN VDE 0472-815 DIN EN 50267-2-1
Chemical resistance	DIN EN 60811-2-1:2002
Approvals and certificates	
UL approval	cURus AWM 21924/11558 105°C 300V FT2

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-CLIP

Unlocking protector for M12 connector

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