



Adapter cable

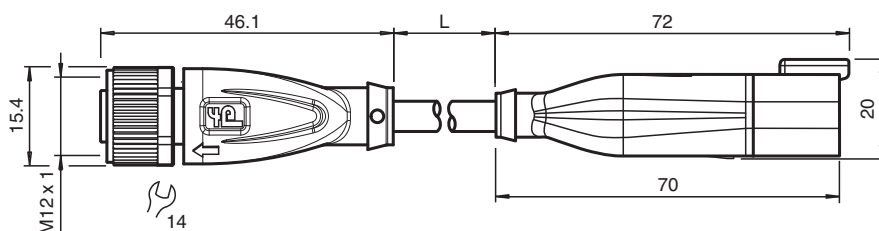
V1-G-BK0,3M-PUR-O1-DT4P-G

- Suitable for outdoor use (UV- and ozone resistant)
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- cURus approval
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Adapter cable M12 socket straight A-coded to Deutsch plug straight, 4-pin, PUR cable black, drag chain suitable, outdoor



Dimensions



Technical Data

General specifications

Connector 1

Connection	socket
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	4
Coding	A-coded

Connector 2

Connection	plug
Construction type	Deutsch connectors
Style	straight
Locking	snap locking
Number of pins	4

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 8 A per contact

Conformity

Degree of protection	EN 60529
Plug connection	connector M12 x 1 : IEC 61076-2-101
Flammability	UL 1581; DIN EN 60332-2-2
Halogen-free	DIN VDE 0472-815 / DIN EN 50267-2-1
Oil resistance	DIN EN 60811-2-1

Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 305187_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Ambient conditions

Ambient temperature	
Connector 1	-40 ... 90 °C (-40 ... 194 °F)
Connector 2	-40 ... 125 °C (-40 ... 257 °F)
Cable, fixed	-50 ... 105 °C (-58 ... 221 °F)
Cable, flexing	-30 ... 105 °C (-22 ... 221 °F)
Pollution degree	3

Mechanical specifications

Connector 1	
Tightening torque	0.6 Nm
Loosening protection	available
Tool installation	straight knurling
Mating cycles	min. 100
Degree of protection	IP67 / IP68 / IP69
Connector 2	
Loosening protection	available
Degree of protection	IP68
Cable	
Sheath diameter	4.8 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath stripping force	max. 50 N / 300 mm
Sheath color	black (similar to RAL 7021)
Number of cores	4
Core cross section	0.5 mm ²
Cores color	Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction	28 x 0.15 mm Ø 1 x symmetrically twisted
Length	L 0.3 m
Cable code	Li 9Y 11Y 4 x 0,50
Drag chain suitability	
Drag chain cycles	min. 2000000
Motion velocity	max. 3 m/s
Traverse distance	max. 10 m
Acceleration	max. 10 m/s ²
Mass	37.23 g

Material

Halogen-free	yes
Connector 1	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Contact surface	Au
Flammability	V-2
Connector 2	
Body	PA, black
Contact surface	Ni
Flammability	V-0
Cable	
Sheathing	PUR based on polyether
Core insulation	PP
Salt water resistance	yes
UV resistance	yes

Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 305187_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

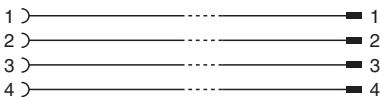
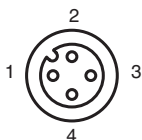
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

Chemical resistance	good
Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

Connection Assignment



Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 305187_eng.pdf