

Connection cable, shielded

V1-W-BK1M-PUR-O1S-V1-W

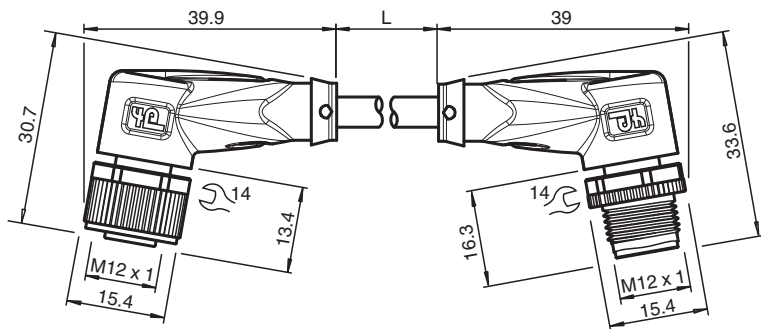


- Suitable for outdoor use (UV- and ozone resistant)
- Suitable for drag chains and abrasion resistant
- Degree of protection IP66 / IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- UL listed for USA and Canada
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket angled to M12 plug angled A-coded, 4-pin, PUR cable black, shielded, UL approved, drag chain suitable, outdoor



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M12
Style		angled
Locking		screw connection
Number of pins		4
Coding		A-coded
Connector 2		
Connection		plug
Construction type		M12
Style		angled
Locking		screw connection
Number of pins		4
Coding		A-coded

Electrical specifications

Operating voltage	U _B	max. 48 V AC / 60 V DC
Operating current	I _B	max. 4 A

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

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Technical Data

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
Lead-free	RoHS directive 2011/65/EU
Oil resistance	DIN EN 60811-2-1

Approvals and certificates

UL approval	AWM STYLE 21924/11558 105°C 300V AWM I A/B 105°C 300V FT2 (cable)
UL File Number	E231213

Ambient conditions

Ambient temperature	
Plug connector	-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed installation	-50 ... 105 °C (-58 ... 221 °F)
Cable, flexing	-30 ... 105 °C (-22 ... 221 °F)
Pollution degree	3

Mechanical specifications

Plug connector	
Tightening torque	0.6 Nm
Loosening protection	integrated
Tool installation	straight knurling and hexagon nut SW = 14 mm
Mating cycles	min. 100
Shielding	shield connected to screw connection
Degree of protection	IP66 / IP68 / IP69
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter	6 mm
Bending radius	> 10 x cable diameter, movable installation > 5 x cable diameter, fixed installation
Sheath stripping force	max. 80 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
Shield	tinned copper braiding, 85 % coverage
Length	L 1 m
Cable code	Li 9Y C11Y 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	81 g

Material

PWIS free	yes
Halogen-free	yes
Lead-free	yes
Plug connector	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Seal	FKM

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Technical Data

Contact surface	gold plated (Au)
Flammability	V-2
Cable	
Sheathing	PUR based on polyether
Cores	bare copper (Cu)
Core insulation	PP
Salt water resistance	yes
UV resistance	yes
Chemical resistance	good
Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2
General information	
Cable marking sleeve	2x PUR transparent , fixed to cable

Connection Assignment

