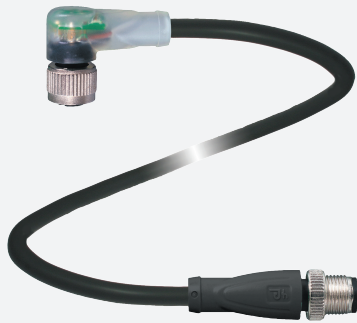




Connection cable

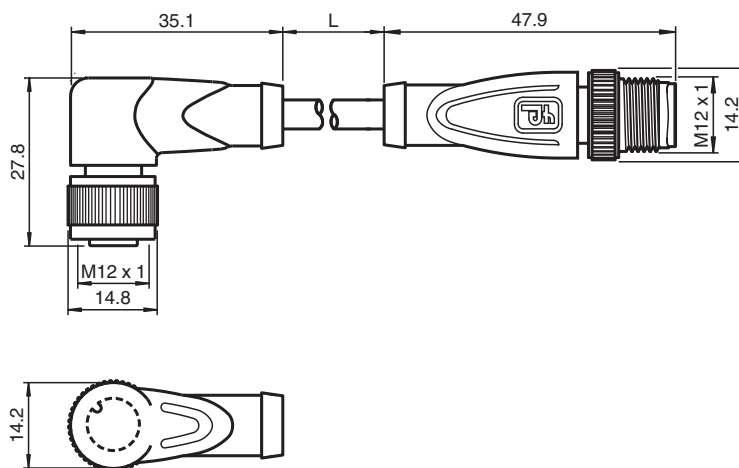
V1-W-E8-BK30M-PUR-U-V1-G

- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP67 / IP68 / IP69
- Free from substances that impair paint wetting
- Built-in LED, as operating and function indicator
- Resistant to microbes and hydrolysis
- cURus approval
- UV resistant
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Cordset M12 socket angled A-coded LED 4-pin to M12 plug straight A-coded 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant



Dimensions



Technical Data

General specifications

Connector 1	
Connection	socket
Construction type	M12
Style	right angle
Locking	screw connection
Number of pins	4
Coding	A-coded
Connector 2	
Connection	Male connector
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	4
Coding	A-coded

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

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 **PEPPERL+FUCHS**

Technical Data

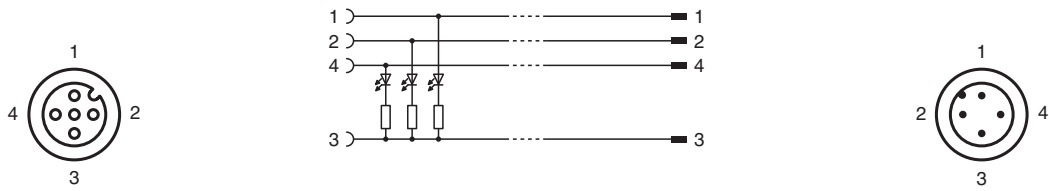
UL File Number	E231213
Indicators/operating means	
LED green	Operating display
LED yellow	Functional display pin 4
LED red	Functional display pin 2
Electrical specifications	
Operating voltage	U _B max. 24 V DC -20 % / +25 %
Operating current	I _B max. 4 A
Conformity	
Degree of protection	EN 60529
Plug connection	connector M12 x 1 : IEC 61076-2-101
Flammability	UL 1581; DIN EN 60332-2-2
Halogen-free	IEC 60754-1
Approvals and certificates	
UL approval	AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)
Ambient conditions	
Ambient temperature	
Plug connector	-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing	-20 ... 80 °C (-4 ... 176 °F)
Pollution degree	3
Mechanical specifications	
Plug connector	
Tightening torque	0.6 Nm
Loosening protection	available
Tool installation	straight knurling
Mating cycles	min. 100
Degree of protection	IP67 / IP68 / IP69
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter	4.3 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath color	black (similar to RAL 9005)
Number of cores	4
Core cross-section	0.34 mm ²
Cores color	Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction	42 x 0.1 mm Ø
Length	L 30 m
Cable code	Li 9Y 11Y 4 x 0.34
Drag chain suitability	
Drag chain cycles	min. 5000000
Motion velocity	max. 3.3 m/s
Traverse distance	max. 5 m
Acceleration	max. 5 m/s ²
Torsion cycles	min. 1000000
Torsional stress	± 180 °/m
Material	
LABS free	yes
Halogen-free	yes
Plug connector	
Knurled screw connection	Zinc die-casting, nickel-plated

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Technical Data

Body	TPU, transparent/black
Contact surface	Au
Flammability	V-2
Cable	
Sheathing	PUR based on polyether
Core insulation	PP
UV resistance	yes
Chemical resistance	good
Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

Connection Assignment



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