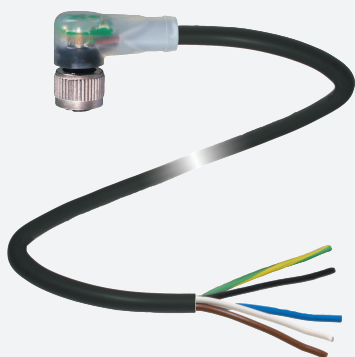




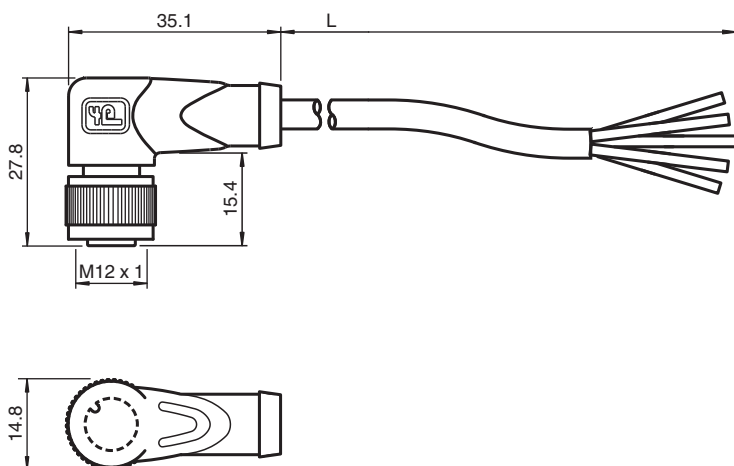
Female connector V15-W-E8W-BK5M-PUR-A2

- Improved resistance to weld spatter
- 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
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Female cordset single-ended M12 angled A-coded, LED 5-pin, PUR cable weld spatter resistant 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	5
Coding	A-coded
Connector 2	
Connection	cable end
UL File Number	E231213

Indicators/operating means

LED green	Operating display
LED yellow	Functional display NO contact 4
LED white	Functional display NO contact 2

Release date: 2020-09-23 Date of issue: 2020-09-23 Filename: 316276_eng.pdf

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

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 **PEPPERL+FUCHS**

Technical Data

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	DIN VDE 0472-815 IEC 60754-1
Microbial resistance	DIN EN 50525-2-21 / DIN VDE 0282-10
Hydrolysis resistance	DIN EN 50525-2-21

Approvals and certificates

UL approval	AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2
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Ambient conditions

Ambient temperature	
Plug connector	-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing	-25 ... 80 °C (-13 ... 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	4.8 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath stripping force	max. 80 N / 300 mm
Sheath color	black (similar to RAL 9005)
Number of cores	5
Core cross-section	0.34 mm ²
Cores color	Core 1: brown Core 2: white Core 3: blue Core 4: black Core 5: green/yellow
Core construction	42 x 0.1 mm Ø
Length	L
Cable code	Li 9Y 11Y 5 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
Body	TPU, black

Technical Data

Contact surface	Au
Flammability	V-2
Cable	
Sheathing	PUR based on polyether
Core insulation	PP
Weld spatter resistance	yes
Chemical resistance	good
Oil resistance	yes
Cooling lubricant resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

Connection Assignment

