

Connection cable

V15-W-E8W-BK10M-PUR-A-V15-G



- Improved resistance to weld spatter
- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Built-in LED, as operating and function indicator
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket angled A-coded LED 5-pin to M12 plug straight A-coded 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	angled
Locking	screw connection
Number of pins	5
Coding	A-coded
Connector 2	
Connection	plug
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	5
Coding	A-coded
Indicators/operating means	
LED green	Operating display
LED yellow	Functional display pin 4
LED white	Functional display pin 2

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

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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 (cable)	
UL File Number	E231213	

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 and hexagon nut SW = 14 mm	
Mating cycles	min. 100	
Degree of protection	IP68 / IP69	
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6	
Sheath diameter	4.7 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: grey	
Core construction	42 x 0.1 mm Ø	
Length	L	10 m
Cable code	Li F 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

PWIS free	yes	
Halogen-free	yes	
Plug connector		
Screw connection	Zinc diecast, nickel-plated	

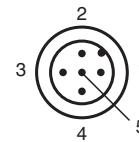
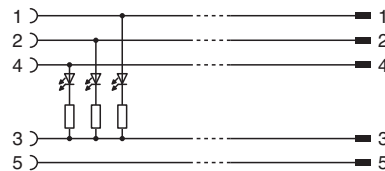
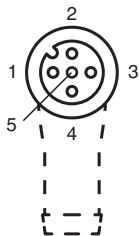
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Technical Data

Body	TPU, transparent/black
Seal	FKM
Contact surface	gold plated (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



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-COLOR	Marking rings for M12 connectors, various colors

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