

Cable connector

V15S-W-BK5M-PUR-U/0,75

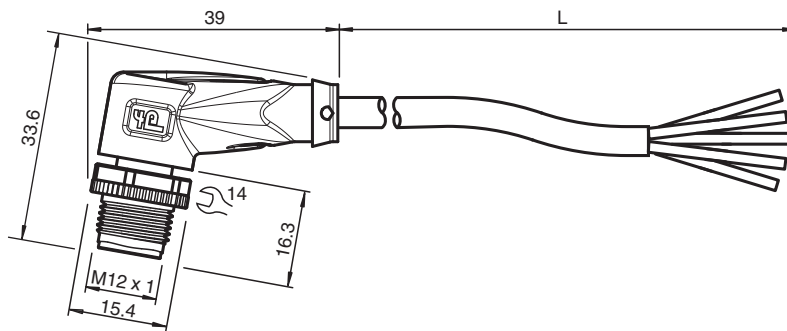


- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Male cordset single-ended M12 angled A-coded, 5-pin, PUR cable black, UL-approved, drag chain suitable



Dimensions



Technical Data

General specifications

Connector 1		
Connection		plug
Construction type		M12
Style		angled
Locking		screw connection
Number of pins		5
Coding		A-coded
Connector 2		
Connection		cable end

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 4 A

Conformity

Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101
Halogen-free		IEC 60754-1

Approvals and certificates

UL approval		AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)
UL File Number		E231213

Release date: 2023-09-05 Date of issue: 2023-09-05 Filename: 240772-0001_eng.pdf

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

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PEPPERL+FUCHS

Technical Data

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
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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
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Degree of protection	IP68 / IP69
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Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6
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Sheath diameter	6 mm
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Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
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Sheath stripping force	max. 50 N / 300 mm
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Sheath color	black (similar to RAL 9005)
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Number of cores	5
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Core cross section	0.75 mm ²
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Cores color	Core 1: brown Core 2: white Core 3: blue Core 4: black Core 5: grey
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Core construction	42 x 0.15 mm Ø
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Length	L	5 m
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Cable code	Li F 9Y 11Y 5 x 0,75
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Drag chain suitability	
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Drag chain cycles	min. 2000000
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Motion velocity	max. 3.3 m/s
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Traverse distance	max. 5 m
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Acceleration	max. 5 m/s ²
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Torsional stress	± 180 °/m
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Material

Halogen-free	yes
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Plug connector	
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Screw connection	Zinc diecast, nickel-plated
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Body	TPU, black
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Contact surface	gold plated (Au)
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Flammability	V-2
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Cable

Sheathing	PUR based on polyether
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Core insulation	PP
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UV resistance	yes
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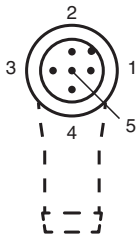
Oil resistance	yes
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Microbial resistance	yes
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Hydrolysis resistance	yes
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Flammability	FT2
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Connection



1	BN
2	WH
3	BU
4	BK
5	GY

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