

Female cordset

V19-W-BK5M-PUR-U

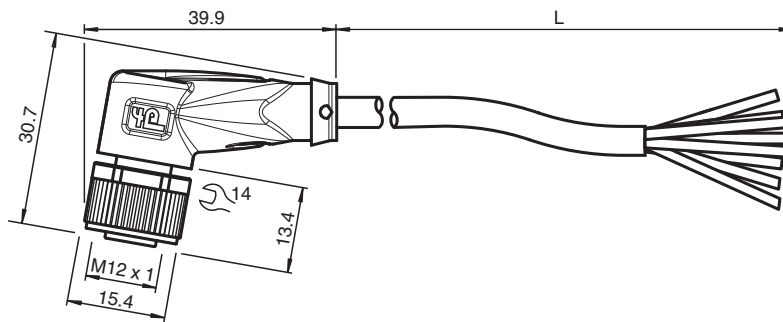


- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UL listed for USA and Canada
- UV resistant
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 angled A-coded, 8-pin, PUR cable black, UL approved, drag chain suitable



Dimensions



Technical Data

General specifications

Connector 1

Connection	socket
Construction type	M12
Style	angled
Locking	screw connection
Number of pins	8
Coding	A-coded

Connector 2

Connection	cable end
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Electrical specifications

Operating voltage	U_B	max. 30 V AC/DC
Operating current	I_B	max. 2 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)
UL File Number	E231213

Release date: 2024-10-04 Date of issue: 2024-10-04 Filename: 456507_eng.pdf

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

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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

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		6 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Sheath stripping force		max. 50 N / 300 mm
Sheath color		black (similar to RAL 9005)
Number of cores		8
Core cross section		0.25 mm ²
Cores color		Core 1: white Core 2: brown Core 3: green Core 4: yellow Core 5: grey Core 6: pink Core 7: blue Core 8: red
Core construction		32 x 0.1 mm Ø
Length	L	5 m
Cable code		Li 9Y 11Y 8 x 0,25
Drag chain suitability		
Drag chain cycles		min. 5000000
Motion velocity		max. 3 m/s
Traverse distance		max. 10 m
Acceleration		max. 5 m/s ²
Mass		242.17 g

Material

PWIS free		yes
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Seal		FKM
Contact surface		gold plated (Au)
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Cores		bare copper (Cu)
Core insulation		PP
UV resistance		yes
Chemical resistance		good
Oil resistance		yes
Cooling lubricant resistance		yes
Microbial resistance		yes

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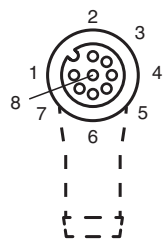
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Technical Data

Hydrolysis resistance	yes
Flammability	FT2

Connection



- 1) WH
- 2) BN
- 3) GN
- 4) YE
- 5) GY
- 6) PK
- 7) BU
- 8) RD

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