

Female cordset

V1-WV4A-BK25M-PUR-O1

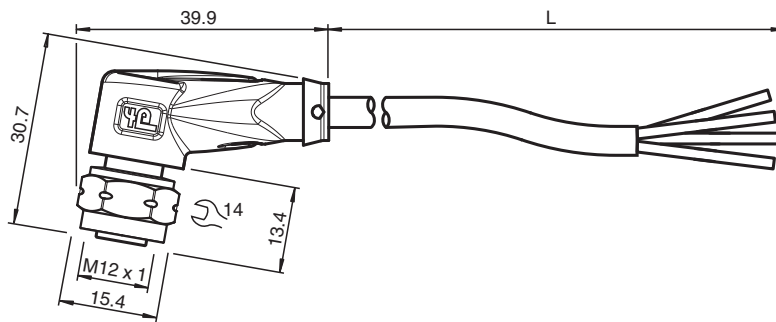


- Suitable for outdoor use (UV- and ozone resistant)
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- UL listed for USA and Canada
- Halogen-free
- Screw connection stainless steel
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 angled stainless steel 1.4404, A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, outdoor



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M12
Style		angled
Locking		screw connection
Number of pins		4
Coding		A-coded
Connector 2		
Connection		cable end

Electrical specifications

Operating voltage	U_B	max. 250 V AC/DC
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 / DIN EN 50267-2-1
UV resistance		on the basis of DIN EN ISO 4892-2-A for 1000 hours

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

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Technical Data

Oil resistance		DIN EN 60811-2-1
Approvals and certificates		
UL approval		AWM STYLE 21924/11558 105°C 300V AWM I A/B 105°C 300V FT2 (cable)
UL File Number		E231213
Ambient conditions		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed installation		-50 ... 105 °C (-58 ... 221 °F)
Cable, flexing		-30 ... 105 °C (-22 ... 221 °F)
Pollution degree		3
Mechanical specifications		
Plug connector		
Tightening torque		0.6 Nm
Tool installation		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		4.8 mm
Bending radius		> 10 x cable diameter, movable installation > 5 x cable diameter, fixed installation
Sheath stripping force		max. 50 N / 300 mm
Sheath color		black (similar to RAL 7021)
Number of cores		4
Core cross section		0.5 mm ²
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction		28 x 0.15 mm Ø 1 x symmetrically twisted
Length	L	25 m
Cable code		Li 9Y 11Y 4 x 0,50
Drag chain suitability		
Drag chain cycles		min. 2000000
Motion velocity		max. 3 m/s
Traverse distance		max. 10 m
Acceleration		max. 10 m/s ²
Mass		892 g
Material		
Halogen-free		yes
Plug connector		
Screw connection		Stainless steel 1.4404 / AISI 316L
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
Salt water resistance		yes
UV resistance		yes
Chemical resistance		good
Oil resistance		yes
Cooling lubricant resistance		yes

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Technical Data

Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

Connection

