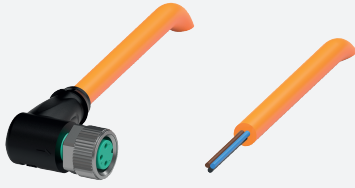


Female cordset

V3-WM-OR5M-PUR-A1

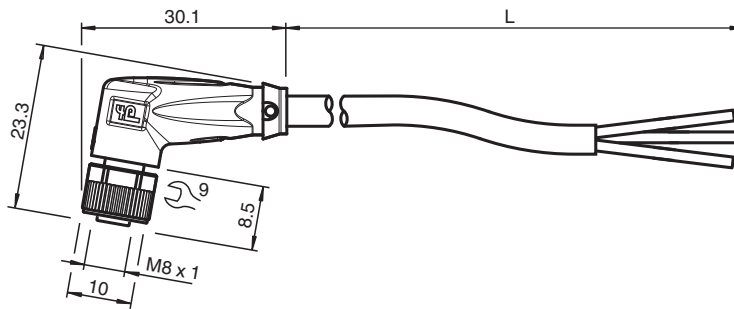


- Improved resistance to weld slag
- Suitable for drag chains and abrasion resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP66 / IP68
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation
- Meets the VASS6 standard

Female cordset single-ended M8 angled A-coded, 3-pin, PUR cable welding-bead resistant orange, UL approved, drag chain suitable, torsion resistant



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M8
Style		angled
Locking		screw connection
Number of pins		3
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 M8 x 1 : IEC 61076-2-104
Flammability		UL 1581; DIN EN 60332-2-2
PWIS conformity		VW-PV 3.10.7
Halogen-free		DIN VDE 0472-815
Lead-free		RoHS directive 2011/65/EU

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

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PEPPERL+FUCHS

Technical Data

Oil resistance		DIN EN 60811-2-1
Approvals and certificates		
UL approval		AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)
Maximum permissible operating current		max. 3 A
UL File Number		E231213
Ambient conditions		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Plug connector		
Tightening torque		0.4 Nm
Loosening protection		integrated
Tool installation		straight knurling and hexagon nut SW = 9 mm
Mating cycles		min. 100
Degree of protection		IP66 / IP68
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		4.9 mm
Bending radius		> 10 x cable diameter, movable installation > 5 x cable diameter, fixed installation
Sheath stripping force		max. 80 N / 300 mm
Sheath color		orange (similar to RAL 2003)
Number of cores		4
Core cross section		0.34 mm ²
Cores color		Core 1: brown Core 2: not used Core 3: blue Core 4: black
Core construction		42 x 0.1 mm Ø
Length	L	5 m
Cable code		Li F 9Y 11Y 4 x 0,34
Drag chain suitability		
Drag chain cycles		min. 5000000
Motion velocity		max. 3 m/s
Traverse distance		max. 5 m
Acceleration		max. 5 m/s ²
Torsion cycles		min. 1000000
Torsional stress		± 180 °/m
Mass		159.9 g
Material		
PWIS free		yes
Halogen-free		yes
Lead-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)

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Technical Data

Core insulation		PP
Welding-bead resistance		yes
Weld spatter resistance		yes
Chemical resistance		good
Oil resistance		yes
Cooling lubricant resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2
General information		
Cable marking sleeve		1x PUR transparent , fixed to cable

Connection Assignment



1	⌋	-----	BN
3	⌋	-----	BU
4	⌋	-----	BK