

Cable connector, NAMUR

V1-W-N-10M-PUR-N4S

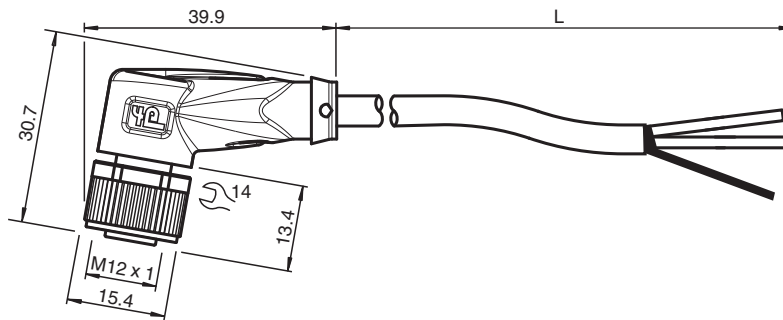


- Suitable for drag chains and abrasion resistant
- Suitable for NAMUR technology
- Suitable for routing intrinsically safe circuits in accordance with DIN EN 60079-14:2014
- Degree of protection IP66 / IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- Oil resistant
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 angled A-coded, 2-pin, PUR cable blue, NAMUR, shielded, UL approved, drag chain suitable, oil resistant



Dimensions



Technical Data

General specifications			
Connector 1			
Connection			socket
Construction type			M12
Style			angled
Locking			screw connection
Number of pins			2
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
Resistance per unit length	R'		max. 0.039 Ω /m
Capacitance per unit length	C'		78.85 nF/km
Inductance per unit length	L'		0.622 mH/km
Conformity			
Degree of protection			EN 60529

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

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Technical Data

Plug connection		connector M12 x 1 : IEC 61076-2-101
Flammability		UL 758 / 1581 , DIN EN 60332-1-2
Halogen-free		DIN VDE 0472-815 , IEC 60754-1
Lead-free		RoHS directive 2011/65/EU
Microbial resistance		EN 50363
Hydrolysis resistance		EN 50363
Oil resistance		DIN EN 60811-404
Approvals and certificates		
UL approval		AWM STYLE 20549/10152 80°C 300V FT2 (cable)
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		0.6 Nm
Loosening protection		integrated
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP66 / IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		6 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		blue (similar to RAL 5015)
Number of cores		2
Core cross section		0.5 mm ²
Cores color		Core 1: brown Core 2: blue
Core construction		28 x 0.15 mm Ø
Shield		tinned copper braiding, 85 % coverage
Length	L	10 m
Cable code		Li 9Y C11Y 2 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		455 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

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Technical Data

Cable	
Sheathing	PUR based on polyether
Cores	bare copper (Cu)
Core insulation	PP
UV resistance	yes
Chemical resistance	good
Oil resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2
General information	
Cable marking sleeve	1x PUR transparent , fixed to cable

Connection Assignment

