

# Cable connector, NAMUR

## V1-G-N-15M-PUR-N4S

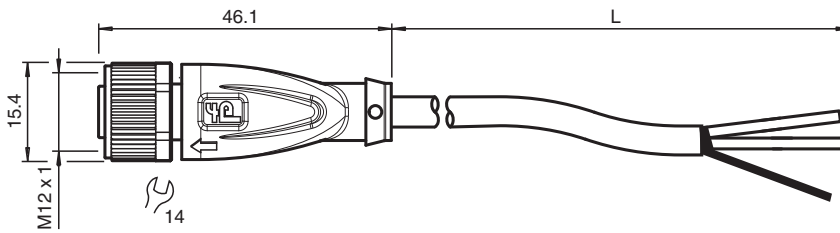


- Suitable for drag chains and abrasion resistant
- Suitable for NAMUR technology
- Suitable for routing intrinsically safe circuits in accordance with DIN EN 60079-14:2014
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant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

Female cordset single-ended M12 straight 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		straight	
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 $\Omega$ /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	
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	

Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 70168040\_eng.pdf

## Technical Data

Microbial resistance		EN 50363
Hydrolysis resistance		EN 50363
Oil resistance		DIN EN 60811-404
<b>Approvals and certificates</b>		
UL approval		AWM STYLE 20549/10152 80°C 300V FT2 (cable)
UL File Number		E231213
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
Plug connector		
Tightening torque		0.6 Nm
Loosening protection		available
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles		min. 100
Shielding		shield connected to screw connection
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. 80 N / 300 mm
Sheath color		blue (similar to RAL 5015)
Number of cores		2
Core cross section		0.5 mm <sup>2</sup>
Cores color		Core 1: brown Core 2: blue
Core construction		28 x 0.15 mm Ø
Shield		tinned copper braiding, 85 % coverage
Length	L	15 m
Cable code		Li 9Y C11Y 2 x 0,50
<b>Drag chain suitability</b>		
Drag chain cycles		min. 2000000
Motion velocity		max. 3 m/s
Traverse distance		max. 10 m
Acceleration		max. 10 m/s <sup>2</sup>
Mass		708.75 g
<b>Material</b>		
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
Core insulation		PP
UV resistance		yes
Chemical resistance		good

Release date: 2024-07-10 Date of issue: 2024-07-11 Filename: 70168040\_eng.pdf

## Technical Data

Oil resistance	yes
Microbial resistance	yes
Hydrolysis resistance	yes
Flammability	FT2

## Connection Assignment

