

# Cable connector, NAMUR

## V1-G-N-20M-PUR

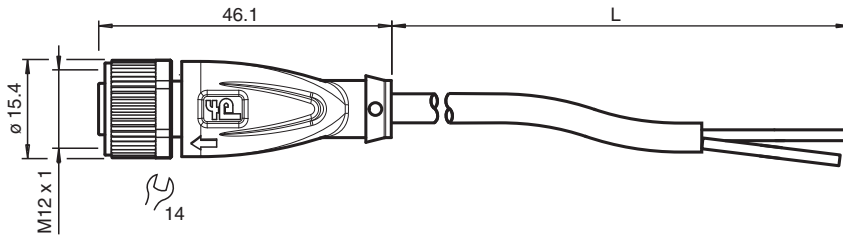


- Suitable for NAMUR technology
- Degree of protection IP68 / IP69
- Suitable for routing intrinsically safe circuits in accordance with DIN EN 60079-14:2014
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 straight A-coded, 2-pin, PUR cable blue, NAMUR



### Dimensions



### Technical Data

#### General specifications

<b>Connector 1</b>	
Connection	socket
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	2
Coding	A-coded
<b>Connector 2</b>	
Connection	cable end

#### Electrical specifications

Operating voltage	$U_B$	max. 250 V AC/DC
Operating current	$I_B$	4 A
Resistance per unit length	$R'$	max. 0.057 $\Omega$ /m
Capacitance per unit length	$C'$	102.4 nF/km
Inductance per unit length	$L'$	0.49 mH/km

#### Conformity

Degree of protection	EN 60529
Plug connection	connector M12 x 1 : IEC 61076-2-101

#### Ambient conditions

<b>Ambient temperature</b>	
Plug connector	-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing	-20 ... 80 °C (-4 ... 176 °F)

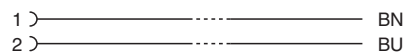
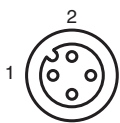
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".




## Technical Data

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
Degree of protection		IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		4.8 mm
Bending radius		> 15 x cable diameter, moving > 10 x cable diameter, fixed
Sheath color		blue (similar to RAL 5015)
Number of cores		2
Core cross section		0.34 mm <sup>2</sup>
Cores color		Core 1: brown Core 2: blue
Core construction		42 x 0.1 mm Ø
Length	L	20 m
Cable code		Li FY 11Y 2 x 0.34
<b>Material</b>		
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		PVC
Flammability		HB





## Connection



## Accessories

	<b>MH V1-SCREWDRIVER</b>	Torque screwdriver (0.6 Nm)
	<b>MH V1-BIT M12</b>	plug-in cap M12
	<b>V1/V3-LABELHOLDER</b>	Label holder

## Accessories

	<b>V1/V3-LABEL</b>	Label plate
	<b>MH V1-Holder</b>	Modular universal holder for M12 connectors
	<b>V1-CLIP</b>	Unlocking protector for M12 connector
	<b>V1-MARKING-RING-COLOR</b>	Marking rings for M12 connectors, various colors