Cable connector, NAMUR

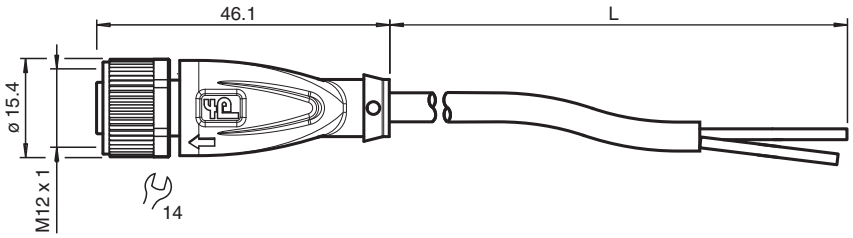
V1-G-N-BU20M-PUR-N1



- Suitable for NAMUR technology
- Degree of protection IP66 / IP68 / IP69
- Ex ia certified
- Specific design protects against loosening and inaccurate installation

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

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. 250 V AC/DC
Operating current	I_B	max. 4 A
Resistance per unit length	R'	max. 0.057 Ω/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
Explosion protection		IEC 60079-0 , IEC 60079-11
Lead-free		RoHS directive 2011/65/EU
Ambient conditions		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)

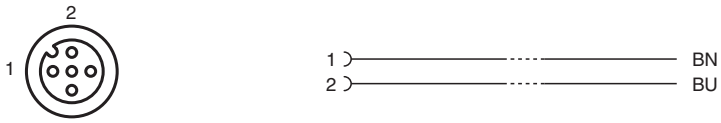
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Technical Data

Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-20 ... 80 °C (-4 ... 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
Degree of protection		IP66 / IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		4.8 mm
Bending radius		> 15 x cable diameter, movable installation > 10 x cable diameter, fixed installation
Sheath color		blue (similar to RAL 5015)
Number of cores		2
Core cross section		0.34 mm^2
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
Material		
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)
Core insulation		PVC
Flammability		HB
Data for application in connection with hazardous areas		
EU-type examination certificate		TÜV 24 ATEX 9153X
Marking		⟨Ex⟩ II 1G Ex ia IIC T6 Ga Ta = -25 °C ... +80 °C ⟨Ex⟩ II 1D Ex ia IIIC T200 85°C Da Ta = -25 °C ... +80 °C
Voltage	U_i	max. 30 V
Current	I_i	max. 1 A
Power	P_i	for II and IIIB gas groups: 1 W for IIIC gas group (depending on Tamb): 40°C / 750 mW, 70 °C / 650 mW, 90 °C / 550 mW
Ambient temperature	T_{amb}	-25 ... 80 °C (-13 ... 176 °F)
International approvals		
IECEx approval		IECEx TUR 24.0043X
General information		
Cable marking sleeve		1x PUR transparent , fixed to cable

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Connection Assignment



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