Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



89463 Twinax - Blue Hose® Cable

For more Information please call

1-800-Belden1



General Description:

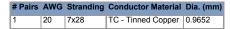
20 AWG stranded (7x28) tinned copper conductors, FEP insulation, overall Beldfoil® (100% coverage) plus a tinned copper braid shield (76% coverage), FEP jacket.

2

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	76

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 5.156 mm

Pair

Pair Color Code Chart:

Number	Color
1	Clear & Blue

Mechanical	Characteristics	(Overall)
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Operating Temperature Range:	-70°C To +200°C		
UL Temperature Rating:	200°C		
Bulk Cable Weight:	53.575 Kg/Km		
Max. Recommended Pulling Tension:	213.514 N		
Min. Bend Radius/Minor Axis:	63.500 mm		

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP, CL2P
CEC/C(UL) Specification:	CMP FT6
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

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EU Directive 2002/96/EC (WEEE):	Yes	
EU Directive 2003/11/EC (BFR):	Yes	
CA Prop 65 (CJ for Wire & Cable):	Yes	
MII Order #39 (China RoHS):	Yes	
Customer Part Number Reference Specification:	Allen Bradley P/N 1770-CD	
Flame Test		
UL Flame Test:	NFPA 262	
Plenum/Non-Plenum		
Plenum (Y/N):	Yes	
Non-Plenum Number:	9463	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/m) 0.39372

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 64.6357

Nominal Velocity of Propagation:

VP (%) 69

Nominal Delay:

Delay (ns/m) 4.82307

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 13.4521

Nom. Attenuation:

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	Freq. (MHz)	Attenuation (dB/100m)			
	1	1.9686			
	10	6.8901			
	50	16.405			
	100	24.6075			
	200	36.091			
	400	52.496			

Max. Operating Voltage - UL:

Voltage 300 V RMS

Other Electrical Characteristic 1:

DC Resistance Unbalanced: .77 Ohms/1000 ft Max

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89463 0061000	1,000 FT	36.000 LB	BLUE, LIGHT	С	2 #20 FEP FS BRD FEP
89463 0062500	2,500 FT	90.000 LB	BLUE, LIGHT	С	2 #20 FEP FS BRD FEP

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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