

## 129463 Twinax - Blue Hose® Cable

 	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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### Description:

20 AWG stranded (7x28) tinned copper conductors, polyethylene insulation, overall Beldfoil® (100% coverage) plus a 55% tinned copper braid shield (55% coverage), PVC inner jacket, aluminum interlocked armor, sunlight-resistant PVC outer jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	20
Stranding	7x28
Conductor Diameter	.038 in.
Conductor Material	TC - Tinned Copper

#### INSULATION:

Insulation Material	PE - Polyethylene
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#### PAIR:

Pair Diameter	.154 in.
Pair Color Code Chart :	

Number	Color
1	Clear & Blue

#### OUTER SHIELD:

Outer Shield Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid
Outer Shield Material :	

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	55

Outer Shield % Coverage	100 %
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#### OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	7x28H
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

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**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Diameter	.238 in.

**ARMORING/OUTER JACKET:**

<b>ARMORING :</b>	
Armor Type	Interlocked
Armor Material	Aluminum
Armor Thickness	.025 in.
Diameter over Armor	.453 in.

<b>OUTER JACKET OVER ARMOR :</b>	
Outer Jacket over Armor (y/n)	Y
Outer Jacket Material Over Armor	PVC

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.563 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-40°C To +60°C
Bulk Cable Weight	133 lbs/1000 ft.
Max. Recommended Pulling Tension	205 lbs.
Min. Bend Radius (Install)	6.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM, CL2
CEC/C(UL) Specification	CM, CMG FT4, HLBCD
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
Customer Part Number Reference Specification	Allen Bradley P/N 1770-CD

**FLAME TEST:**

UL Flame Test	UL1685 UL Loading
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**SUITABILITY:**

Sunlight Resistance	Yes
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**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	78 Ohms
Nom. Inductance	0.12 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	19.7 pF/ft

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Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	36 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	9.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance	4.1 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.6
	10			2.1
	50			5.0
	100			7.5
	200			11.0
	400			16.0

Max. Operating Voltage - UL	300 V RMS
Other Electrical Characteristic 1	DC Resistance Unbalance: .77 Ohms/1000 ft Max

### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
129463 J221000	ALUM ARMORED 9463	1000	122	BLUE, STRONG	C Z
129463 J226000	ALUM ARMORED 9463	6000	924	BLUE, STRONG	C Z

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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