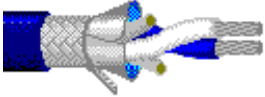


9463 Twinax - Blue Hose®

	<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:**

78 Ohm twinaxial cable, 20 AWG stranded (7x28) tinned copper, polyethylene insulation, Beldfoil® + tinned copper braid shield 55%, PVC 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.
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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
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**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.238 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2464)
Bulk Cable Weight	36 lbs/1000 ft.
Max. Recommended Pulling Tension	48 lbs.
Min. Bend Radius (Install)	2.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM, CL2
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2464 (300 V 80°C)
PMSHA Specification	SC-182/6
Customer Part Number Reference Specification	Allen Bradley P/N 1770-CD

**FLAME TEST:**

UL Flame Test	UL1581 Vertical Tray
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**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
Plenum Number	89463

**ELECTRICAL CHARACTERISTICS:**

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



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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 (UL AWM Style 2464)
Other Electrical Characteristic 1	DC Resistance Unbalanced: .77 Ohms/1000 ft Max

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9463 0011000	78 OHM TWINAX	1000	37	BROWN	
9463 00110000	78 OHM TWINAX	10000	370	BROWN	C
9463 0016000	78 OHM TWINAX	6000	222	BROWN	C Z
9463 0031000	78 OHM TWINAX	1000	37	ORANGE	C
9463 00310000	78 OHM TWINAX	10000	370	ORANGE	C Z
9463 0036000	78 OHM TWINAX	6000	222	ORANGE	C Z
9463 0071000	00 OHM TWINAX	1000	37	VIOLET	C
9463 00710000	78 OHM TWINAX	10000	370	VIOLET	C Z
9463 0076000	78 OHM TWINAX	6000	222	VIOLET	C Z
9463 J22100	78 OHM TWINAX	100	4.2	BLUE, STRONG	
9463 J221000	78 OHM TWINAX	1000	37	BLUE, STRONG	C
9463 J22500	78 OHM TWINAX	500	18.5	BLUE, STRONG	
9463 J226000	78 OHM TWINAX	6000	222	BLUE, STRONG	C
9463 J22U1000	78 OHM TWINAX	U1000	37	BLUE, STRONG	
9463 J22U500	78 OHM TWINAX	U500	18.5	BLUE, STRONG	

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.

Revision Number: 1      Revision Date: 06-09-2004

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