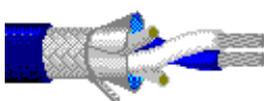


89463 Twinax - Blue Hose®

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

78 Ohm plenum twinaxial cable, 20 AWG stranded (7x28) tinned copper, FEP insulation, Beldfoil® + 76% tinned copper braid shield, FEP 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	FEP - Fluorinated Ethylene Propylene
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PAIR:

Pair Diameter	.151 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	76

Outer Shield % Coverage	100 %
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OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	7x28



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Outer Shield Drain Wire Conductor Material	TC - Tinned Copper
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OUTER JACKET:

Outer Jacket Material	FEP - Fluorinated Ethylene Propylene
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.203 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
UL Temperature Rating	200°C
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	CMP, CL2P
CEC/C(UL) Specification	CMP FT6
Customer Part Number Reference Specification	Allen Bradley P/N 1770-CD

FLAME TEST:

UL Flame Test	UL910 Steiner Tunnel
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PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	9463

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	78 Ohms
Nom. Inductance	0.12 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	19.7 pF/ft
Nominal Velocity of Propagation	69 %
Nominal Delay	1.47 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 :	

89463 Twinax - Blue Hose®

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 Unbalanced: .77 Ohms/1000 ft Max

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
89463 0061000	2 #20 FEP FS BRD FEP	1000	36	BLUE, LIGHT	C
89463 0062500	2 #20 FEP FS BRD FEP	2500	90	BLUE, LIGHT	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 11-01-2004

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