

**9463**

Twinax - Blue Hose® Cable

**Description**

20 AWG stranded (7x28) .038" tinned copper conductors, polyethylene insulation, Beldfoil® (100% coverage) plus a tinned copper braid shield (55% coverage), sunlight-resistant PVC jacket.

Put Ups and Colours

Item #	Putup	Ship Weight	Jacket Colour	Notes	Item Description
9463 0011000	1,000 FT	39.000 LB	BROWN		78 OHM TWINAX BRN
9463 00110000	10,000 FT	380.000 LB	BROWN	C Z	78 OHM TWINAX BRN
9463 0016000	6,000 FT	234.000 LB	BROWN	C Z	78 OHM TWINAX BRN
9463 0031000	1,000 FT	39.000 LB	ORANGE	C	78 OHM TWINAX ORG
9463 00310000	10,000 FT	380.000 LB	ORANGE	C Z	78 OHM TWINAX ORG
9463 0036000	6,000 FT	234.000 LB	ORANGE	C Z	78 OHM TWINAX ORG
9463 0071000	1,000 FT	39.000 LB	VIOLET	C	00 OHM TWINAX VIO
9463 0076000	6,000 FT	234.000 LB	VIOLET	C Z	78 OHM TWINAX VIO
9463 J22100	100 FT	4.400 LB	BLUE, STRONG		78 OHM TWINAX BLUSTG
9463 J221000	1,000 FT	39.000 LB	BLUE, STRONG	C	78 OHM TWINAX BLUSTG
9463 J22500	500 FT	18.000 LB	BLUE, STRONG		78 OHM TWINAX BLUSTG
9463 J226000	6,000 FT	234.000 LB	BLUE, STRONG	C Z	78 OHM TWINAX BLUSTG
9463 J22U1000	1,000 FT	38.000 LB	BLUE, STRONG		78 OHM TWINAX BLUSTG
9463 J22U500	500 FT	23.400 LB	BLUE, STRONG		78 OHM TWINAX BLUSTG

Notes:

C = Create 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

Physical Characteristics (overall)**Conductor – AWG**

# Pairs	AWG	Stranding	Conductor Material	Dia. (In.)
1.000	20	7x28	TC – Tinned Copper	0.038

Insulation – Insulation Material

Ins Material
PE – Polyethylene

Outer Shield - Outer Shield Material

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminium Foil-Polyester Tape	100
2		Braid	TC – Tinned Copper	55

Outer Shield Drawn Wire AWG

AWG	Stranding	Drain Wire Conductor Material
20	7x28H	TC – Tinned Copper

Outer Jacket – Outer Jacket Material

Outer Jacket Material
PVC – Polyvinylchloride

Overall Cabling – Overall Nominal Diameter: 0.238 in.**Pair Colour Code Chart**

Number	Colour
1	Clear & Blue

Mechanical Characteristics (overall)

Operating Temperature Range	-40°C to +80°C
UL Temperature Range	80°C (UL AWM Style 2464)
Bulk Cable Weight	36 lbs/1000ft
Max. Recommended Pulling Tension	48 lbs
Min. Bend Radius (Install)/Minor Axis	2.500 In.

Applicable Specifications and Agency Compliance (overall)**Application**

CEC/C (UL) Specification	CM
AWM Specification	UL Style 2092 (300 V 60°C)
EU CE Mark	
EU RoHS Compliant (commence date: dd/mm/yyyy)	(01/01/2004)
PM SHA Specification	P-7K-SC-182141
Customer Part Number Reference Specification	Allen Bradley P/N 1770-CD

Flame Test

UL Flame Test	UL 1685 UL Loading
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Suitability
Sunlight Resistance

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Plenum/Non-Plenum
Plenum Number

89463

Electrical Characteristics (overall)

Nom. Characteristics Impedance

Impedance (Ohm)
78.000

Nom. Inductance

Inductance (µH/ft)
0.120

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
19.700

Nom. Capacitance Conductor to Other Conductor & Shield

Capacitance (pF/ft)
36.000

Nominal Velocity of Propagation

VP (%)
66

Nominal Delay

Delay (ns/ft)
1.540

Nominal Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
9.500

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
4.100

Nominal Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	End Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.600
	10.000			2.100
	50.000			5.000
	100.000			7.500
	200.000			11.000
	400.000			16.000

Max. Operating Voltage – UL

Voltage
300 V RMS (UL AWM Style 2464)

Other Electrical Characteristics 1: D/C Resistance Unbalanced: 0.77 Ohm/1000 ft Max.