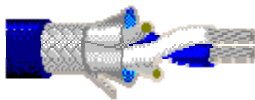


RG-108/U 9463**Twinax - Blue Hose® Cable**

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 Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9463 J221000	305 MT	17.690 KG	BLUE, STRONG C		78 OHM TWINAX

Notes:

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.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	7x28	TC - Tinned Copper	0.9652

Insulation**Insulation Material:**

Insulation Material
PE - Polyethylene

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	55

Outer Shield Drain Wire AWG:

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

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 6.045 mm

Pair

Pair Color Code Chart:

Number	Color
1	Clear & Blue

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	53.575 Kg/Km
Max. Recommended Pulling Tension:	213.514 N
Min. Bend Radius (Install)/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2464 (300 V 80°C)
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):	01/01/2005
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
PMSHA Specification:	P-7K-SC-182141
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 Number:	89463
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
78

Nom. Inductance:

Inductance (μH/m)
0.39372

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

64.6357

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

118.116

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/m)

5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

31.1695

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

13.4521

Nom. Attenuation:

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 (UL AWM Style 2464)

Other Electrical Characteristic 1:

DC Resistance Unbalanced: .77 Ohms/1000 ft Max

Revision Number: 1

Revision Date: 03-07-2008

E-MAIL: sales@vdom.com.cn

<http://www.vdom.com.cn>

E-mail: sales@vdom.com.cn

TEL: 8610-6800 5160