Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9463 Twinax - Blue Hose® Cable

For more Information please call

1-800-Belden1



General Description:

Max. Recommended Pulling Tension:

Min. Bend Radius/Minor Axis:

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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.

• • •	overage/ plas a timied copper braid shield (00 / coverage), sumighteresistant r vo jacket.									
Physical Char Conductor	Physical Characteristics (Overall)									
AWG:										
# Pairs AWG	Stranding Conductor Ma	iterial Dia. (mm)								
1 20	1 20 7x28 TC - Tinned Copper 0.965									
Total Number of Conductors: 2										
Insulation										
Insulation Mat										
	aterial Dia. (mm)									
	PE - Polyethylene 1.981									
Outer Shield Outer Shield M	Matorial:									
	er Shield Trade Name Typ	e Outer Shield Material	Coverage (%)	1						
1 Beld		e Aluminum Foil-Polyester Tape								
2	Brai	d TC - Tinned Copper	55]						
Outer Shield	Drain Wire AWG:									
AWG Strand	ing Drain Wire Conductor	Material								
20 7x28H	TC - Tinned Copper									
Outer Jacket	Outer Jacket Outer Jacket Material:									
Outer Jacket										
PVC - Polyvin	PVC - Polyvinyl Chloride									
Overall Cable										
Overall Nom	Overall Nominal Diameter: 6.045 mm									
Pair										
Pair Color Co										
Number Colo										
	Pair Lay Length & Direction: Twists (twist/m)									
9.023										
Mechanical C	lechanical Characteristics (Overall)									
Operating T	-40°C To +8	-40°C To +80°C								
UL Tempera	80°C (UL AV	80°C (UL AWM Style 2464)								
Bulk Cable \	Bulk Cable Weight: 53.575 Kg/Km									

213.514 N

60.960 mm

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	pliance (Overall)
Applicable Standards & Environmental Program NEC/(UL) Specification:	ns CL2, CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2464 (300 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2000/35/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
Suitability	Yes
Sunlight Resistance: Plenum/Non-Plenum	
Plenum Number:	89463
lectrical 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	l:
Capacitance (pF/m) 118.116	
Nominal Velocity of Propagation:	
Nominal Velocity of Propagation: VP (%) 66	
VP (%) 66	
VP (%) 66	
66 Nominal Delay: Delay (ns/m) 5.05274 Nom. Conductor DC Resistance:	
VP (%) 66 Nominal Delay: Delay (ns/m) 5.05274	

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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)
300 V RMS (NEC Type CM)
300 V RMS (NEC Type CL2)

Other Electrical Characteristic 1:

DC Resistance Unbalanced: .77 Ohms/1000 ft Max

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9463 J22U1000	305 MT	17.237 KG	BLUE, STRONG		78 OHM TWINAX
9463 J22U500	152 MT	8.845 KG	BLUE, STRONG		78 OHM TWINAX
9463 J22100	30 MT	1.996 KG	BLUE, STRONG		78 OHM TWINAX
9463 J221000	305 MT	17.690 KG	BLUE, STRONG	С	78 OHM TWINAX
9463 J2212000	3,658 MT	223.168 KG	BLUE, STRONG	CY	78 OHM TWINAX
9463 J22500	152 MT	8.845 KG	BLUE, STRONG		78 OHM TWINAX
9463 J226000	1,829 MT	106.141 KG	BLUE, STRONG	CZ	78 OHM TWINAX
9463 0011000	305 MT	17.690 KG	BROWN		78 OHM TWINAX
9463 00110000	3,048 MT	172.366 KG	BROWN	CZ	78 OHM TWINAX
9463 00112000	3,658 MT	223.168 KG	BROWN	CY	78 OHM TWINAX
9463 0016000	1,829 MT	106.141 KG	BROWN	CZ	78 OHM TWINAX
9463 0031000	305 MT	17.690 KG	ORANGE	С	78 OHM TWINAX
9463 00310000	3,048 MT	172.366 KG	ORANGE	CZ	78 OHM TWINAX
9463 00312000	3,658 MT	223.168 KG	ORANGE	CY	78 OHM TWINAX
9463 0036000	1,829 MT	106.141 KG	ORANGE	CZ	78 OHM TWINAX
9463 0071000	305 MT	17.690 KG	VIOLET	С	00 OHM TWINAX
9463 0076000	1,829 MT	106.141 KG	VIOLET	CZ	78 OHM TWINAX

Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'. 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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