Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



139463 Twinax - Blue Hose® Cable

For more Information please call

1-800-Belden1



General Description:

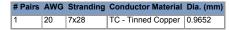
20 AWG stranded (7x28) tinned copper conductors, polyethylene insulation, overall Beldfoil® (100% coverage) plus a tinned copper braid shield (55% coverage), PVC inner jacket, steel interlocked armor, sunlight-resistant PVC outer jacket.

2

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

Insulation Material:

Insulation Material PE - Polyethylene

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG Stranding		Drain Wire Conductor Material			
20	7x28	TC - Tinned Copper			

Outer Jacket

Outer Jacket Material:

Outer Jacket Material PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (mm) 6.0452

Outer Jacket over Armor (y/n):

Armor

Armor Type:	Interlocked	
Armor Material:	Steel	
Armor Thickness:	.025	
Diameter over Armor:	.453	

Overall Cable

Overall Nominal Diameter: 14.300 mm

Pair Color Code Chart:

Number	Color		
1	Clear & Blue		

Machaniaal	Characteristics	(Oscarell)

Operating Temperature Range:	-40°C To +60°C
Bulk Cable Weight:	333.357 Kg/Km
Max. Recommended Pulling Tension:	911.881 N
Min. Bend Radius/Minor Axis:	165.100 mm

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Applicable Specifications and Agency Compliance (Overall)					
Applicable Standards & Environmental Programs					
NEC/(UL) Specification:	CM, CL2				
CEC/C(UL) Specification:	CM, CMG FT4, HLBCD				
EU Directive 2011/65/EU (ROHS II):	Yes				
EU Directive 2000/53/EC (ELV):	Yes				
EU Directive 2002/95/EC (RoHS):	Yes				
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005				
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				
Customer Part Number Reference Specification:	Allen Bradley P/N 1770-CD				
Flame Test					
UL Flame Test:	UL1685 UL Loading				
Plenum/Non-Plenum					
Plenum (Y/N):	No				

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

Other Electrical Characteristic 1: DC Resistance Unbalanced: .77 Ohms/1000 ft Max

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
139463 J221000	1,000 FT	232.000 LB	BLUE, STRONG	CZ	9463 STEEL ARMORED PVC
139463 J226000	6,000 FT	1,434.000 LB	BLUE, STRONG	CZ	9463 STEEL ARMORED PVC

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.

Revision Number: 1 Revision Date: 05-14-2007

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