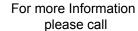
# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



## 9463DB Twinax - Blue Hose® Cable



1-800-Belden1



## **General Description:**

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

## **Physical Characteristics (Overall)**

### Conductor

## AWG:

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

Total Number of Conductors: 2

## Insulation

### **Insulation Material:**



### **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	7x28	TC - Tinned Copper

Outer Shield Flooding Grease: Yes

## **Outer Jacket**

## **Outer Jacket Material:**



#### **Overall Cable**

Overall Nominal Diameter: 6.096 mm

## Pair

#### **Pair Color Code Chart:**

Number	Color
1	Clear & Blue

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-55°C To +80°C		
Non-UL Temperature Rating:	80°C		
Bulk Cable Weight:	53.575 Kg/Km		
Max. Recommended Pulling Tension:	213.514 N		
Min. Bend Radius/Minor Axis:	63.500 mm		

Page 1 of 3 11-08-2019

# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



## 9463DB Twinax - Blue Hose® Cable

applicable Specifications and Agency Com	pliance (Overall)
Applicable Standards & Environmental Progran	ns
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):	10/13/2005
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 Burial
Suitability	
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 64.6357

Nominal Velocity of Propagation:



**Nominal Delay:** 



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

Page 2 of 3 11-08-2019

## **Detailed Specifications & Technical Data**





### 9463DB Twinax - Blue Hose® Cable

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

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9463DB S8Y1000	1,000 FT	33.000 LB	BLUE, UV	С	2 #20 PE FS BRD PE
9463DB S8Y5000	5,000 FT	155.000 LB	BLUE, UV	С	2 #20 PE FS BRD PE

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-08-2017

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Page 3 of 3 11-08-2019