# **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



### 9250 Twinax - Twinaxial Cable

For more Information please call

1-800-Belden1



## **Description:**

18 AWG stranded (7x26) bare copper conductors, polyethylene insulation, polyethylene inner jacket, tinned copper double braid shield (95% coverage), non-contaminating PVC outer jacket.

## **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	7x26	BC - Bare Copper	0.046
1	18	7x26	BC - Bare Copper with Center Strand Tinned Copper	0.046

#### Insulation

**Insulation Material:** 

Insulation Material
PE - Polyethylene

#### **Inner Jacket**

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PE - Polyethylene	.285

## **Outer Shield**

**Outer Shield Material:** 

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	TC - Tinned Copper	95
2	Braid	TC - Tinned Copper	95

### **Outer Jacket**

**Outer Jacket Material:** 

Outer Jacket Material	
PVCNC - Polyvinyl Chloride Non-Contaminat	ing

### **Overall Cable**

Overall Nominal Diameter: 0.416 in.

#### **Pair**

### Pair Color Code Chart:

Number	Color
1	Clear & Clear

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
Bulk Cable Weight:	119 lbs/1000 ft.
Max. Recommended Pulling Tension:	237 lbs.
Min. Bend Radius (Install)/Minor Axis:	4.500 in.

## **Applicable Specifications and Agency Compliance (Overall)**

**Applicable Standards & Environmental Programs** 

EU CE Mark: Yes

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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
RG Type:	22B/U
Flame Test	
UL Flame Test:	UL1685 UL Loading, VW-1
Plenum/Non-Plenum	
Plenum (Y/N):	No

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



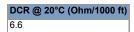
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)** 0.9

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.3
10	0.9
20	1.3
50	2.1
100	3.0
400	6.3

Max. Operating Voltage - UL:



Transfer Impedance:

Description	Impedance
1 MHz	0.7 miliohms/meter
10 MHz	1.0 Miliohms/meter
50 MHz	7.0 Miliohms/meter

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### **Related Documents:**

No related documents are available for this product

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9250 0101000	1,000 FT	121.000 LB	BLACK	С	RG 22B/U TWINAX
9250 010500	500 FT	61.500 LB	BLACK	С	RG 22B/U TWINAX

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 04-11-2008

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