

## 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-Contaminating

#### 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

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
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

#### Impedance (Ohm)

95

### Nom. Inductance:

#### Inductance (µH/ft)

0.144

### Nom. Capacitance Conductor to Conductor:

#### Capacitance (pF/ft)

16.0

### Nominal Velocity of Propagation:

#### VP (%)

66

### Nominal Delay:

#### Delay (ns/ft)

1.54

### Nom. Conductor DC Resistance:

#### DCR @ 20°C (Ohm/1000 ft)

6.6

### 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:

#### Voltage

750 V RMS

### Transfer Impedance:

Description	Impedance
1 MHz	0.7 milliohms/meter
10 MHz	1.0 Milliohms/meter
50 MHz	7.0 Milliohms/meter

## 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	C	RG 22B/U TWINAX
9250 010500	500 FT	61.500 LB	BLACK	C	RG 22B/U TWINAX

**Notes:**

C = CRATE REEL PUT-UP.

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