# **Detailed Specifications & Technical Data**



ENGLISH MEASUREMENT VERSION

### 9250 Twinax - Twinaxial Cable

For more Information please call

1-800-Belden1



#### **General 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 C	Charact	eris	stics (Ov	erall)					
Conductor AWG:	•								
	ductors A	WG	Stranding	Conductor I	Material				Dia. (in.)
1		8	7x26	BC - Bare Co					0.046
1	1	8	7x26	BC - Bare Co	opper with	n Center Strand	Tinneo	d Copper	0.046
Total Number of Conductors:							2		
Insulation									
Insulation				<i>a</i>					
	tion Mater		Nall Thickn ).023	ess (in.)					
		- <sub>[</sub> (							
Inner Jack		al:							
			Nom Wal	(in.) Nom. E	Dia. (in.)				
	olyethylene		0.053	0.282					
Outer Shie	ud								
Outer Shie		al:							
Layer #	# Type C	Outer	Shield Ma	terial Covera	age (%)				
1			inned Copp						
2	Braid	C - 1	inned Copp	er 95					
Outer Jack									
Outer Jac		-			Nom	Noll Thickness	(in)		
	Jacket Ma C - Polvvin			Contaminatin		Wall Thickness	(m.)		
1		,			• · · · · ·				
					1				
Overall Ca		Diam					0.410	in	
Overall	ble Nominal	Dian	neter:				0.416	in.	
Overall Pair	Nominal		neter:				0.416	in.	
Overall Pair Pair Color	Nominal		neter:		_		0.416	in.	
Overall Pair Pair Color	Nominal r Code Ch	art:					0.416	in.	
Overall Pair Pair Color Numbe	Nominal r Code Ch er Color Clear &	art:	ar				0.416	in.	
Overall Pair Pair Color Numbe	Nominal r Code Ch er Color Clear &	art:	ar	Overall)			0.416	in.	
Overall Pair Pair Color Numbe 1 Mechanica	Nominal r Code Ch er Color Clear & al Chara	art: Clea	ar	Overall)				in. To +80°C	
Overall Pair Pair Color Numbe 1 Mechanica Operati	Nominal r Code Ch er Color Clear & al Chara	art: Clea acto eratu	ar eristics (	Overall)			-40°C		
Overall Pair Pair Color Numbe 1 Mechanica Operati Bulk Ca	Nominal r Code Ch er Color Clear & al Chara ing Tempe able Weig	art: Clea acto aratu ht:	ar eristics (				-40°C	To +80°C ps/1000 ft.	
Overall Pair Pair Color Numbe 1 Mechanica Operati Bulk Ca Max. Re	Nominal r Code Ch er Color Clear & al Chara ing Tempe able Weig ecommen	art: Clea acto eratu ht: ded	ar eristics ( ire Range: Pulling Ter				-40°C 113 lb: 237 lb:	To +80°C xs/1000 ft. xs.	
Overall Pair Pair Color Numbe 1 Mechanica Operati Bulk Ca Max. Re	Nominal r Code Ch er Color Clear & al Chara ing Tempe able Weig	art: Clea acto eratu ht: ded	ar eristics ( ire Range: Pulling Ter				-40°C 113 lb:	To +80°C xs/1000 ft. xs.	
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Overall Pair Pair Color Numbe 1 Mechanica Operati Bulk Ca Max. Re Min. Be Applicable	Nominal r Code Ch er Color Clear & al Chara al Chara able Weig ecommen able Weig ecommen Radius e Speci Standau	art: Clea acto eratu ht: ded s/Min fica rds	ar eristics ( re Range: Pulling Ter nor Axis: nor Axis: tions an & Enviror	nsion: d Agency Imental Pro		liance (Ove	-40°C 113 lb: 237 lb: 4.250 erall)	To +80°C ps/1000 ft. ps. in.	
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#### 9250 Twinax - Twinaxial Cable

CA Prop 65 (CJ for Wire & Cabl	e):	Yes			
MII Order #39 (China RoHS):		Yes			
RG Type:		22B/U			
Flame Test					
UL Flame Test:		VW-1			
Plenum/Non-Plenum					
Plenum (Y/N):		No			
Electrical Characteristics (O	vorall)				
Nom. Characteristic Impedance:	veranj				
Impedance (Ohm) 95					
Nom. Inductance:					
Inductance (µH/ft)					
0.144					
Nom. Capacitance Conductor to Cor	nductor:				
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	ə:				
DCR @ 20°C (Ohm/1000 ft)					
0.9					
Nom. Attenuation:	<b>E</b> ( )				
Freq. (MHz) Attenuation (dB/100 1 0.3	n.)				
10 0.9	-				
20 1.3	-				
50 2.1	7				
100 3.0					
400 6.3					
Max. Operating Voltage - Non-UL:					
Voltage 750 V RMS					
Transfer Impedance:					
Description Impedance					
1 MHz 0.7 miliohms/meter					
10 MHz 1.0 Miliohms/meter					
50 MHz 7.0 Miliohms/meter					
Put Ups and Colors:					
ltem #	Putup Ship W	eight	Color	Notes	Item Desc
	1,000 FT 121.000		BLACK	С	RG 22B/U TWINAX

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.

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