

## 9207 Twinax - Computer & Instrumentation Cable



For more information please  
call

**1-800-Belden1**

See Put-ups and Colors

### Description:

100 Ohm twinaxial cable, 20AWG stranded (7x28) one tinned, one bare copper conductor, polyethylene insulation, overall polyethylene dielectric, Duofoil® + tinned copper braid shield 86%, PVC jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	20
Stranding	7x28
Conductor Diameter	.037 in.
Conductor Material	TC - Tinned Copper, BC - Bare Copper

#### INSULATION:

Insulation Material	PE - Polyethylene
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#### PAIR:

Pair Color Code Chart :

Number	Color
1	Natural & Natural

#### INNER JACKET:

Inner Jacket Material	PE - Polyethylene
Inner Jacket Diameter	.236 in.

#### OUTER SHIELD:

Outer Shield Type	Tape/Braid
Outer Shield Material :	

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1	Duofoil®	Tape		100
2		Braid	Tinned Copper	86

#### OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.330 in.
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +75°C
Bulk Cable Weight	60 lbs/1000 ft.
Max. Recommended Pulling Tension	112 lbs.
Min. Bend Radius (Install)	3.5 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	CM, CL2
CEC/C(UL) Specification	CM
Customer Part Number Reference Specification	IBM P/N 7362211

### FLAME TEST:

UL Flame Test	1581 Vertical Tray
C(UL) Flame Test	FT4

### SUITABILITY:

Suitability - Indoor	Y
Suitability - Outdoor	Y
Suitability - Aerial	Y, when supported by a messenger wire

### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	89207

### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	100 Ohms
Nom. Inductance	0.155 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	14.5 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	23.0 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	9.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance	2.5 Ohms/1000 ft

#### Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.3
	10			1.2
	50			2.8
	100			4.1
	200			6.4
	400			10.2

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Max. Operating Voltage - UL	300 V RMS
Max. Operating Voltage - Non-UL	600 V RMS

### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9207 010100	100 OHM TWINAX	100	7.1	BLACK	
9207 0101000	100 OHM TWINAX	1000	68	BLACK	C
9207 0101640	100 OHM TWINAX	1640	111.52	BLACK	C
9207 0102000	100 OHM TWINAX	2000	136	BLACK	C
9207 0103280	100 OHM TWINAX	3280	219.76	BLACK	C
9207 010500	100 OHM TWINAX	500	33.5	BLACK	
9207 0105000	100 OHM TWINAX	5000	350	BLACK	C
9207 010U500	100 OHM TWINAX	U500	34	BLACK	

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 12-09-2002

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