

## 9207 Twinax - Twinaxial Cable

For more Information  
please call

1-800-Belden1



### General Description:

20 AWG stranded (7x28) one tinned copper conductor, one bare copper conductor, polyethylene insulation, polyethylene inner jacket, Duofoil® (100% coverage) plus a tinned copper braid shield (85% coverage), PVC outer jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	7x28	TC - Tinned Copper	.037
			BC - Bare Copper	

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	0.024

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom Wall (in.)	Nom. Dia. (in.)
PE - Polyethylene	0.035	0.236

#### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	85

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.031

#### Overall Cable

Overall Nominal Diameter: 0.330 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Natural (bare copper conductor)
2	Natural (tinned copper conductor)

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

Bulk Cable Weight: 63 lbs/1000 ft.

Max. Recommended Pulling Tension: 112 lbs.

Min. Bend Radius/Minor Axis: 3.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2, CMG
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
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):	01/01/2004
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:	IBM P/N 7362211

### Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89207

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)  
100

### Nom. Inductance:

Inductance (µH/ft)  
0.155

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
14.5

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)  
23.0

### Nominal Velocity of Propagation:

VP (%)  
66

### Nominal Delay:

Delay (ns/ft)  
1.54

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
9.5

### Nominal Outer Shield DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
1.74

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.3
10	1.2
50	2.8
100	4.1
200	6.4
400	10.2

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Max. Operating Voltage - Non-UL:**

<b>Voltage</b>
600 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9207 010U500	500 FT	33.000 LB	BLACK		100 OHM TWINAX
9207 010100	100 FT	7.100 LB	BLACK		100 OHM TWINAX
9207 0101000	1,000 FT	68.000 LB	BLACK	C	100 OHM TWINAX
9207 0101640	1,640 FT	111.520 LB	BLACK	C	100 OHM TWINAX
9207 0103280	3,280 FT	219.760 LB	BLACK	C	100 OHM TWINAX
9207 010500	500 FT	34.500 LB	BLACK	C	100 OHM TWINAX
9207 0105000	5,000 FT	350.000 LB	BLACK	C	100 OHM TWINAX

**Notes:**  
C = CRATE REEL PUT-UP.

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