

## 9207 Twinax - Computer & Instrumentation Cable



### 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
---------------------	-------------------

#### 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
-----------------------	--------------------------

#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.330 in.
--------------------------	----------



**9207 Twinax - Computer & Instrumentation Cable**

**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



## 9207 Twinax - Computer & Instrumentation Cable

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

© 2003 Belden Wire & Cable Company  
All Rights Reserved.

Although Belden Electronics Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.