

9207 Twinax - Twinaxial Cable

 	For more information please call 1-800-Belden1 <u>See Put-ups and Colors</u>
--	---

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:

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 Trade Name	Duofoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

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

Outer Shield %Coverage	100 %
------------------------	-------

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

9207 Twinax - Twinaxial Cable

OVERALL NOMINAL DIAMETER:

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

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	CMG, CL2
CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
Customer Part Number Reference Specification	IBM P/N 7362211

FLAME TEST:

UL Flame Test	UL1685 FT4 Loading
C(UL) Flame Test	FT4

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Aerial	Yes - 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	1.74 Ohms/1000 ft
Nom. Attenuation :	

9207 Twinax - Twinaxial Cable

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

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	6.3	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	34.5	BLACK	C
9207 0105000	100 OHM TWINAX	5000	350	BLACK	C
9207 010U500	100 OHM TWINAX	U500	33	BLACK	

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 01-02-2007

9207 Twinax - Twinaxial Cable

© Copyright 2006 Belden, Inc
All Rights Reserved.

Although Belden ("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.

Belden believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003);Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.