Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



7999A Coax - Broadband Coax

For more Information please call

1-800-Belden1



Description:

14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (60% and 40% coverage), PVC jacket

Usage (Overall)

Suitable Applications: Direct Broadcast Satellite, DBS, TV, CATV, Off-Air Television, TV Antenna

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	BCCS - Bare Copper Covered Steel	.064

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.280

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	AL - Aluminum	60.000
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
4		Braid	AL - Aluminum	40.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.407 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C		
Bulk Cable Weight:	59 lbs/1000 ft.		
Max. Recommended Pulling Tension:	308 lbs.		
Min. Bend Radius (Install)/Minor Axis:	4.500 in.		

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CATV, CM			
CEC/C(UL) Specification:	СМ			
EU CE Mark:	No			
EU Directive 2000/53/EC (ELV):	Yes			

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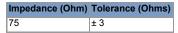


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EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	11/14/2006
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Series Type:	Series 11
Flame Test	
UL Flame Test:	UL1685 UL Loading
Plenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	7999AP

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C	(Ohm/1000 ft)
11.0	

Nominal Outer Shield DC Resistance:



Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	.38
55	.97
211	1.81
270	2.05
300	2.15
350	2.32
400	2.47
450	2.65
550	2.94
750	3.50
870	3.84
1000	4.23
1450	5.2
1800	5.8
2250	6.6



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3000 7.7

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5	1000	20
1000	2250	15
2250	3000	10

Sweep Test

Sweep Testing: 5 MHz - 3 GHz

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7999A 0101000	1,000 FT	67.000 LB	BLACK		#14 GIFHDLDPE DBSH PVC

Revision Number: 1 Revision Date: 04-25-2008

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