

7999AP Coax - Series 11

For more Information
please call

1-800-Belden1

**Description:**

14 AWG solid .064" bare copper-covered steel conductor, foam FEP insulation, Duobond® IV + aluminum braid shield (60% and 40% coverage), Solef PVDF fluorocopolymer 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.)
FFEP - Foam Fluorinated Ethylene Propylene	.274

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)	Dia. (in.)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100	.333
2		Braid	AL - Aluminum	60	
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100	
4		Braid	AL - Aluminum	40	

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Solef®	PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter: 0.372 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +150°C
Non-UL Temperature Rating:	150°C
Bulk Cable Weight:	62 lbs/1000 ft.
Max. Recommended Pulling Tension:	260 lbs.
Min. Bend Radius (Install)/Minor Axis:	3.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP, CATVP
CEC/C(UL) Specification:	CMP
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):	07/16/2005
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:	NFPA 262
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	7999A

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)
75

Nom. Inductance:

Inductance (μH/ft)
.106

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.3

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/ft)
1.21

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
11.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.2
10	.5
50	.9
100	1.3
200	1.9
400	2.8
700	3.9
900	4.7
1000	5.0
1450	6.7
1800	7.7
2250	8.5

3000	9.9
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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
7999AP 0101000	1,000 FT	69.000 LB	BLACK	C	#14 FFEP DBSH SLF

Notes:

C = CRATE REEL PUT-UP.

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