

## 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)**

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

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

<b>NEC/(UL) Specification:</b>	CMP, CATVP
<b>CEC/C(UL) Specification:</b>	CMP
<b>EU CE Mark:</b>	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:**

<b>Voltage</b>
300 V RMS

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

<b>Voltage</b>
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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