



**Product:** [7999AP](#)

CATV Video, RG11, #14 BCCS, Quad Shield (Foil + 60% Braid + Foil + 40% Braid), CMP

## Product 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.

## Technical Specifications

### Product Overview

Suitable Applications:	a
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BCCS - Bare Copper Covered Steel	0.064 in	1

Conductor Count:	1
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#### Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.274 in

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Duofoil®	100%
Braid	2	Aluminum		60%
Tape	3	Alum / Poly / Alum	Duofoil®	100%
Braid	4	Aluminum		40%

#### Outer Jacket Material

Material	Nominal Diameter
PVDF - Polyvinylidene Fluoride	0.372 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
11 Ohm/1000ft	3 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
16.3 pF/ft

#### Inductance

Nominal Inductance
0.106 µH/ft

#### Impedance

Nominal Characteristic Impedance
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75 Ohm
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#### Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5 - 1000 MHz	20 dB
1000 - 2250 MHz	15 dB
2250 - 3000 MHz	10 dB

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.2 dB/100ft
10 MHz	0.5 dB/100ft
50 MHz	0.9 dB/100ft
100 MHz	1.3 dB/100ft
200 MHz	1.9 dB/100ft
400 MHz	2.8 dB/100ft
700 MHz	3.9 dB/100ft
750 MHz	4.3 dB/100ft
900 MHz	4.7 dB/100ft
1000 MHz	5.0 dB/100ft
1450 MHz	6.7 dB/100ft
1800 MHz	7.7 dB/100ft
2250 MHz	8.5 dB/100ft
3000 MHz	9.9 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 ns/ft	83%

#### Voltage

Non-UL Voltage Rating	UL Voltage Rating
300 V RMS	300 V RMS

#### Temperature Range

Non-UL Temp Rating:	150°C
Operating Temp Range:	-20°C To +150°C

#### Mechanical Characteristics

UV Resistance:	No
Bulk Cable Weight:	62 lbs/1000ft
Max. Pull Tension:	260 lbs
Min Bend Radius/Minor Axis:	3.75 in

#### Standards

NEC/(UL) Compliance:	CATVP, CMP
CEC/C(UL) Compliance:	CMP
RG Type:	11/U Type
Series Type:	11

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-07-16
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

## Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

Non-Plenum Number:	7999A
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## Variants

Item #	Color	Putup Type	Length	UPC
7999AP 0101000	Black	Reel	1,000 ft	612825195917

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.310 Revision Date: 06-24-2020
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