



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

Broadband Coax, Series 11, 14 AWG Solid BCCS, Quad Shield, PVDF Jkt, CMP

Product Description

Broadband Coax, Series 11, 14 AWG Solid Bare Copper Covered Steel Conductor, FEP Insulation, Foil + 60% Aluminum Braid + Foil + 40% Aluminum Braid Shield, PVDF Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	Broadband, Cable Television (CATV), RF drop cable, Direct Broadcast Satellite (DBS), Over-The-Air (OTA) antennas
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Construction Details

RG Type:	11
Series Type:	11

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	14 AWG	Solid	0.064 in	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene (Foam)	0.274 in (6.96 mm)	White

Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Aluminum		60%
3	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
4	Braid	Aluminum		40%

Outer Jacket

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.372 in (9.45 mm)

Overall Cable Diameter (Nominal):	0.372 in (9.45 mm)
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Electrical Characteristics

Return Loss (RL)

Frequency	Min. Structural Return Loss
5 - 1000 MHz	20 dB
1000 - 2250 MHz	15 dB
2250 - 3000 MHz	10 dB

Attenuation

Frequency	Nom. Attenuation
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

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
11 Ohm/1000ft (36 Ohm/km)	3 Ohm/1000ft (9.8 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%

Voltage

UL Voltage Rating	Voltage Rating
300 V RMS	300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
150°C	-20°C To +150°C

Bend Radius

Stationary Min.	Installation Min.
3.75 in (95.3 mm)	3.75 in (95.3 mm)

Max. Pull Tension:	260 lbs (120 kg)
Bulk Cable Weight:	63 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, FT6
NEC / UL Compliance:	Article 800, CATVP, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	7999A

Product Notes

Notes:	PF_7999AP 1)# Elements@Conductor1:-In Stibo it was Blank and now changed to 1. 2)Size@Conductor1 :-In Stibo it was 14 now changed to 14AWG. 3)Color@Color Chart1 01 :- In stibo it was Blank now Changed to White. 4)Material@OuterShield1 1 - In stibo it is Tri-Laminate (Alum+Poly+Alum) But in BPCS (Heat fusible+ Alum+ Poly+Alum 5)Material@OuterShield1 3 - In stibo it is Tri-Laminate (Alum+Poly+Alum) But in BPCS (Alum+ Poly+Alum+microcapsulated mineral oil. 6)Cable Diameter (Nominal)- In Stibo it was Blank Now Changed to 0.372 in. 7)Bulk Cable Weight - In stibo it was 62 lbs/1000 ft Now changed to 63 lbs/1000 ft.
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History

Update and Revision:	Revision Number: 0.474 Revision Date: 04-29-2024
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Part Numbers

Variants

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

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