




**Product:** [1617AP](#) 

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

Series Type:	11
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#### Conductor

Size	Stranding	Nom. Diameter	Material
14 AWG	Solid	0.064 in	BCCS - Bare Copper Covered Steel

#### Insulation

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

#### Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duobond® II	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

##### Attenuation

Frequency	Max. Attenuation
5 MHz	0.38 dB/100ft
55 MHz	1.12 dB/100ft
211 MHz	2.24 dB/100ft
240 MHz	2.43 dB/100ft
270 MHz	2.59 dB/100ft

300 MHz	2.75 dB/100ft
325 MHz	2.92 dB/100ft
350 MHz	3.08 dB/100ft
400 MHz	3.34 dB/100ft
450 MHz	3.64 dB/100ft
500 MHz	3.92 dB/100ft
550 MHz	4.19 dB/100ft
600 MHz	4.48 dB/100ft
750 MHz	5.31 dB/100ft
870 MHz	5.86 dB/100ft
1000 MHz	6.53 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
12 Ohm/1000ft (39 Ohm/km)	3 Ohm/1000ft (9.8 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%

#### Voltage

UL Voltage Rating
300 V (CMP)

## Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Installation Min.
3.7 in

Max. Pull Tension:	234 lbs (106 kg)
Bulk Cable Weight:	62 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	CMP, CATVP
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:	1617A, 7999A

## History

Update and Revision:	Revision Number: 0.245 Revision Date: 12-15-2021
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#### Variants

Item #	Color	Putup Type	Length	UPC
1617AP 0101000	Black	Reel	1,000 ft	612825119265

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