



Product: [1617A](#)

Broadband Coax, Series 11, 14 AWG Solid BCCS, Quad Shield, PVC Jkt, CM



### Product Description

Broadband Coax, Series 11, 14 AWG Solid Bare Copper Covered Steel Conductor, PE Insulation, Foil + 60% Aluminum Braid + Foil + 40% Aluminum Braid Shield, PVC Jacket, CM

### Technical Specifications

#### Product Overview

Suitable Applications:	Broadband, Cable Television (CATV), RF drop cable, 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
PE - Polyethylene (Foam)	0.280 in (7.11 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
PVC - Polyvinyl Chloride	0.407 in (10.3 mm)

Overall Cable Diameter (Nominal):	0.407 in (10.3 mm)
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#### Electrical Characteristics

##### Return Loss (RL)

Frequency	Min. Structural Return Loss
5 - 1000 MHz	20 dB

##### Attenuation

Frequency	Max. Attenuation
5 MHz	0.38 dB/100ft
55 MHz	0.96 dB/100ft
211 MHz	1.90 dB/100ft
250 MHz	2.05 dB/100ft
270 MHz	2.13 dB/100ft
300 MHz	2.25 dB/100ft

330 MHz	2.35 dB/100ft
350 MHz	2.42 dB/100ft
400 MHz	2.60 dB/100ft
450 MHz	2.75 dB/100ft
500 MHz	2.90 dB/100ft
550 MHz	3.04 dB/100ft
600 MHz	3.18 dB/100ft
750 MHz	3.65 dB/100ft
870 MHz	4.06 dB/100ft
1000 MHz	4.35 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 (CM)

## Mechanical Characteristics

#### Temperature

UL Temperature	Operating
75°C	-40°C to +75°C

#### Bend Radius

Installation Min.
4.1 in

Max. Pull Tension:	234 lbs (106 kg)
Bulk Cable Weight:	60 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, Sunlight Resistance, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 UL Loading
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CM, CATV
CEC / C(UL) Compliance:	CM
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	ANSI/SCTE 74
Plenum Number:	1617AP

## History

Update and Revision:	Revision Number: 0.365 Revision Date: 12-19-2022
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## Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC
1617A 0101000	Black	Reel	1,000 ft	612825119258

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