

**Product: [1613AP](#)**


Broadband Coax, Series 6, 18 AWG Solid BCCS, Tri-Shield, Flamarrest® Jkt, CMP

**Product Description**

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Covered Steel Conductor, FEP Insulation, Foil + 77% Aluminum Braid + Foil Shield, Flamarrest® Jacket, CMP

**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:	6
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**Conductor**

Size	Stranding	Nom. Diameter	Material
18 AWG	Solid	0.040 in	BCCS - Bare Copper Covered Steel

**Insulation**

Material	Nom. Insulation Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.170 in (4.32 mm)

**Outer Shield**

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Aluminum		77%
3	Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%

**Outer Jacket**

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.239 in (6.07 mm)

**Electrical Characteristics**
**Return Loss**

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

**Electricals**

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
28.0 Ohm/1000ft (91.9 Ohm/km)	5.6 Ohm/1000ft (18 Ohm/km)	16.2 pF/ft (53.1 pF/m)	75 Ohm	83%

**Voltage**

UL Voltage Rating
300 V (CMP)

**Mechanical Characteristics**
**Temperature**

UL Temperature	Operating

75°C

-5°C to +75°C

**Bend Radius****Installation Min.**

2.4 in

Max. Pull Tension:

167 lbs (75.7 kg)

Bulk Cable Weight:

29 lbs/1000ft

**Standards and Compliance**

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
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:	1613A, 1613B, 1613R

**History**

Update and Revision: Revision Number: 0.171 Revision Date: 09-07-2025

**Part Numbers****Variants**

Item #	Color	Putup Type	Length	UPC	Footnote
1613AP 0091000	White	Reel	1,000 ft	612825119111	C
1613AP 009U1000	White	UnReel	1,000 ft	612825119104	

Footnote: C - CRATE REEL PUT-UP.

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