




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 (RL)

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

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.3 dB/100ft
10 MHz	0.7 dB/100ft
50 MHz	1.6 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	2.9 dB/100ft
400 MHz	4.3 dB/100ft
700 MHz	6.1 dB/100ft
750 MHz	6.4 dB/100ft

900 MHz	7.1 dB/100ft
1000 MHz	7.6 dB/100ft

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
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:	1613A, 1613B, 1613R

History

Update and Revision:	Revision Number: 0.164 Revision Date: 12-15-2021
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Variants

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

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