



Product: [1829AC](#)

Broadband Coax, Series 6, 18 AWG Solid BC, Foil + 60% AL Braid, PVC Jkt, CM

Product Description

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Conductor, PE Insulation, Foil + 60% Aluminum Braid Shield, PVC Jacket, CM

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:	6
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Conductor

Size	Stranding	Nom. Diameter	Material
18 AWG	Solid	0.040 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	0.180 in (4.57 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%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.270 in (6.86 mm)

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Structural Return Loss
950 - 2250 MHz	15 dB
2250 - 3000 MHz	10 dB

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
6.4 Ohm/1000ft (21 Ohm/km)	9 Ohm/1000ft (30 Ohm/km)	16.2 pF/ft (53.1 pF/m)	75 Ohm	83%

Voltage

UL Voltage Rating
300 V (CM)

Mechanical Characteristics

Temperature

Operating

-40°C to +75°C

Bend Radius

Installation Min.

2.7 in

Max. Pull Tension:	66 lbs (30 kg)
Bulk Cable Weight:	27 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
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	ANSI/SCTE 74

History

Update and Revision:	Revision Number: 0.363 Revision Date: 11-09-2022
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1829AC 010C100	Black	Coil	100 ft	612825123989
1829AC 010U250	Black	UnReel	250 ft	612825124009
1829AC 010U500	Black	UnReel	500 ft	612825124016
1829AC 0101000	Black	Reel	1,000 ft	612825124023
1829AC 010U1000	Black	UnReel	1,000 ft	612825123996
1829AC 008U1000	Gray	UnReel	1,000 ft	612825123927
1829AC 009C100	White	Coil	100 ft	612825123934
1829AC 009U250	White	UnReel	250 ft	612825123958
1829AC 009U500	White	UnReel	500 ft	612825123965
1829AC 0091000	White	Reel	1,000 ft	612825123972
1829AC 009U1000	White	UnReel	1,000 ft	612825123941

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