



Product: [1829A](#)

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

Product Description

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Covered Steel 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	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	0.180 in (4.57 mm)	White

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)

Overall Cable Diameter (Nominal):	0.270 in (6.86 mm)
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Electrical Characteristics

Return Loss (RL)

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

Attenuation

Frequency	Max. Attenuation
5 MHz	0.58 dB/100ft
55 MHz	1.60 dB/100ft
211 MHz	3.05 dB/100ft
250 MHz	3.30 dB/100ft
270 MHz	3.37 dB/100ft
300 MHz	3.55 dB/100ft
330 MHz	3.74 dB/100ft
350 MHz	3.85 dB/100ft

400 MHz	4.15 dB/100ft
450 MHz	4.40 dB/100ft
500 MHz	4.66 dB/100ft
550 MHz	4.90 dB/100ft
600 MHz	5.10 dB/100ft
750 MHz	5.65 dB/100ft
870 MHz	6.11 dB/100ft
1000 MHz	6.55 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
28 Ohm/1000ft	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 (69 mm)

Max. Pull Tension:	150 lbs (68 kg)
Bulk Cable Weight:	27 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, 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

History

Update and Revision:	Revision Number: 0.473 Revision Date: 04-14-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1829A 0101000	Black	Reel	1,000 ft	612825123910
1829A 010U1000	Black	UnReel	1,000 ft	612825123903
1829A 0081000	Gray	Reel	1,000 ft	612825123873
1829A 008U1000	Gray	UnReel	1,000 ft	612825123866
1829A 0091000	White	Reel	1,000 ft	612825123897
1829A 009U1000	White	UnReel	1,000 ft	612825123880
1829A Q5H1000	White, Neutral	Reel	1,000 ft	612825123859
1829A Q5HU1000	White, Neutral	UnReel	1,000 ft	612825123842

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