



Product: [1189A](#)

Broadband Coax, Series 6, 18 AWG Solid BCCS, Quad Shield, PVC Jkt, CM



### Product Description

Broadband Coax, Series 6, 18 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:	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%
3	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
4	Braid	Aluminum		40%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.294 in (7.47 mm)

Overall Cable Diameter (Nominal):	0.294 in (7.47 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	0.67 dB/100ft
55 MHz	1.60 dB/100ft
211 MHz	2.87 dB/100ft
250 MHz	3.30 dB/100ft
270 MHz	3.24 dB/100ft
300 MHz	3.43 dB/100ft

330 MHz	3.74 dB/100ft
350 MHz	3.72 dB/100ft
400 MHz	4.00 dB/100ft
450 MHz	4.26 dB/100ft
500 MHz	4.66 dB/100ft
550 MHz	4.71 dB/100ft
600 MHz	5.10 dB/100ft
750 MHz	5.59 dB/100ft
870 MHz	6.00 dB/100ft
1000 MHz	6.54 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	4.8 Ohm/1000ft (16 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 +80°C

#### Bend Radius

Installation Min.
2.9 in (74 mm)

Max. Pull Tension:	176 lbs (79.8 kg)
Bulk Cable Weight:	32 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
Plenum Number:	1189AP

## History

Update and Revision:	Revision Number: 0.503 Revision Date: 04-29-2024
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## Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1189A 2901000	Beige, Light	Reel	1,000 ft	612825108122	
1189A 010U500	Black	UnReel	500 ft	612825108108	
1189A 010I1000	Black	Reel	1,000 ft	612825309680	
1189A 010U1000	Black	UnReel	1,000 ft	612825309673	
1189A 010N1000	Black	Reel w/Small Barrel	1,000 ft	612825108092	
1189A 0105000	Black	Reel	5,000 ft	612825108115	
1189A 009U500	White	UnReel	500 ft	612825108078	
1189A 009I1000	White	Reel	1,000 ft	612825108085	C
1189A 009U1000	White	UnReel	1,000 ft	612825108061	
1189A 009N1000	White	Reel w/Small Barrel	1,000 ft	612825108054	

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