



**Product:** [9116](#)

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, 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)

#### Electrical Characteristics

#### Return Loss (RL)

Frequency	Min. Structural Return Loss
5 - 1000 MHz	20 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

<b>UL Voltage Rating</b>
300 V (CM)

## Mechanical Characteristics

#### Temperature

<b>Operating</b>
-40°C to +80°C

#### Bend Radius

<b>Installation Min.</b>
3 in (76 mm)

Max. Pull Tension:	150 lbs (68 kg)
Bulk Cable Weight:	30 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; CPR UKCA Class: 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:	9116P

## History

Update and Revision:	Revision Number: 0.522 Revision Date: 04-14-2023
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## Part Numbers

#### Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
9116 290U1000	Beige, Light	UnReel	1,000 ft	612825224389	
9116-0101000	Black	Reel	305 m	8719605020123	
9116-K101000	Black	Reel	305 m	8719605020154	
9116 010500	Black	Reel	500 ft	612825224426	
9116 010U500	Black	UnReel	500 ft	612825224457	
9116 010S700	Black	Reel	700 ft	612825348313	
9116 0101000	Black	Reel	1,000 ft	612825224440	C
9116 010U1000	Black	UnReel	1,000 ft	612825348320	
9116 010N1000	Black	Reel w/Small Barrel	1,000 ft	612825224433	C
9116 009500	White	Reel	500 ft	612825224396	
9116 0091000	White	Reel	1,000 ft	612825224419	
9116 009U1000	White	UnReel	1,000 ft	612825348337	
9116 009N1000	White	Reel w/Small Barrel	1,000 ft	612825224402	C

9116 Q5H1000	White, Neutral	Reel	1,000 ft	612825224372	
9116 Q5HU1000	White, Neutral	UnReel	1,000 ft	612825224488	

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