



**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
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)

Overall Cable Diameter (Nominal):	0.270 in (6.86 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	0.58 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 (92 Ohm/km)	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 +75°C

#### Bend Radius

<b>Installation Min.</b>
2.7 in

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

### Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
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
Plenum Number:	9116P

### History

Update and Revision:	Revision Number: 0.359 Revision Date: 12-15-2021
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#### Variants

Item #	Color	Putup Type	Length	UPC/EAN
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
9116 010U1000	Black	UnReel	1,000 ft	612825348320
9116 010N1000	Black	Reel w/Small Barrel	1,000 ft	612825224433
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
9116 Q5H1000	White, Neutral	Reel	1,000 ft	612825224372
9116 Q5HU1000	White, Neutral	UnReel	1,000 ft	612825224488

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