



Product: [9116P](#)

Broadband Coax, Series 6, 18 AWG Solid BCCS, Foil + 60% AL Braid, Flamarrest® Jkt, CMP

Product Description

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Covered Steel Conductor, FEP Insulation, Foil + 60% Aluminum Braid Shield, Flamarrest® Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas
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Construction Details

RG 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
FEP - Fluorinated Ethylene Propylene (Foam)	0.170 in (4.32 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	0.235 in (5.97 mm)

Overall Cable Diameter (Nominal):	0.235 in (5.97 mm)
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Electrical Characteristics

Return Loss (RL)

Frequency	Min. Structural Return Loss
5 - 1000 MHz	20 dB

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.3 dB/100ft
10 MHz	0.7 dB/100ft
50 MHz	1.6 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	2.9 dB/100ft
400 MHz	4.3 dB/100ft
700 MHz	6.1 dB/100ft
750 MHz	6.4 dB/100ft

900 MHz	7.1 dB/100ft
1000 MHz	7.6 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)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

Operating
-20°C to +75°C

Bend Radius

Installation Min.
3 in (76 mm)

Max. Pull Tension:	150 lbs (68 kg)
Bulk Cable Weight:	25 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
CEC / C(UL) Compliance:	CMP
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)
Non-Plenum Number:	9116, 9116R

History

Update and Revision:	Revision Number: 0.474 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9116P 010U500	Black	UnReel	500 ft	612825224501	
9116P 0101000	Black	Reel	1,000 ft	612825224464	C
9116P 010U1000	Black	UnReel	1,000 ft	612825224471	
9116P 8771000	Natural	Reel	1,000 ft	612825224495	C
9116P 877U1000	Natural	UnReel	1,000 ft	612825224525	

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