



**Product:** <u>9116P</u> ☑

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), RI			padband, Cable Television (CATV), RF	drop cable, Over-The-Air (OTA) antennas		
Construction Details						
RG Type:		6				
Conducto	Conductor					
Size Stranding Nom. Diam		Nom. Diameter	Material			
18 AWG	Solid	0.040 in	BCCS - Bare Copper Covered Steel			

# Insulation

	Material	Nom. Insulation Diameter	Color Code
ľ	FEP - Fluorinated Ethylene Propylene (Foam)	0.170 in (4.32 mm)	White

### Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Таре	Tri-Laminate (Alum+Poly+Alum)	Duobond® II	100%
2	Braid	Aluminum		60%

### Outer Jacket

Material	Nom. Diameter	Diameter
PVC - Polyvinyl Chloride	0.235 in (5.97 mm)	(5.97 mm)
Overall Cable Diameter (	Nominal): 0.235 in (	0.235 in (5

# **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**



 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: 0.473 Revision Date: 04-29-2024	

### **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	С
9116P 010U1000	Black	UnReel	1,000 ft	612825224471	
9116P 8771000	Natural	Reel	1,000 ft	612825224495	С
9116P 877U1000	Natural	UnReel	1,000 ft	612825224525	

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