



Product: [9116E](#)

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

Product Description

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Covered Steel Conductor, PE Insulation, Foil + 60% Aluminum Braid Shield, PVC Jacket.

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

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	18 AWG	Solid	1.02 mm	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	4.6 mm (0.18 in)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	100%
2	Braid	Aluminum	56%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	6.9 mm

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 470 MHz	20 dB
470 - 1000 MHz	18 dB

Table Notes:	In each frequency band, 3 peak values up to 4 dB lower are allowed
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Attenuation

Frequency	Nom. Attenuation
5 MHz	2.8 dB/100m
50 MHz	4.9 dB/100m
100 MHz	6.5 dB/100m
200 MHz	9 dB/100m
400 MHz	13 dB/100m
600 MHz	16.3 dB/100m
800 MHz	18.9 dB/100m
1000 MHz	21.8 dB/100m

Table Notes:	Max. attenuation 10% higher
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Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
105 Ohm/km (32.0 Ohm/1000ft)	51 Ohm/km (16 Ohm/1000ft)	54 pF/m (16 pF/ft)	75 Ohm	82%

Screening

Frequency	Min. Screening Attenuation
50 - 650 MHz	65 dB
650 - 1000 MHz	75 dB

Mechanical Characteristics

Temperature

Operating	Storage
-40°C To +70°C	-40°C To +70°C

Bend Radius

Stationary Min.
70 mm (2.8 in)

Bulk Cable Weight:	40 kg/km
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Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
ISO/IEC Compliance:	IEC 61196
CENELEC Compliance:	EN 50117-1EN 50117-9-1EN 50290-2-20
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.210 Revision Date: 03-30-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
9116E.00305	Black	Reel	305 m	8719605020130
9116E.01305	White	Reel	305 m	8719605020147

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