



Product: [CX9A2](#)

Life Cycle Status: Discontinued

CX9A2 - Broadband Coax 9, 17 AWG Solid BC, Foil + 70% BC Braid, PVC Jkt

Product Description

Broadband Coax 9, 17 AWG Solid Bare Copper Conductor, PE Insulation, Foil + 70% Tinned Copper 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	17 AWG	Solid	1.13 mm	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	4.8 mm (0.19 in)

Table Notes:	Gas Injected
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Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	100%
2	Braid	Tinned Copper (TC)	70%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	6.8 mm

Electrical Characteristics

Regularity of Impedance:	40 dB
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Return Loss (RL)

Frequency	Min. Return Loss
5-470 MHz	23 dB
470-1000 MHz	20 dB
1000-2000 MHz	18 dB
2000-3000 MHz	16 dB

Table Notes:	Max. 3 peak values 4 dB lower than specified
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Attenuation

Frequency	Nom. Attenuation
5 MHz	1.5 dB/100m
50 MHz	4.0 dB/100m
100 MHz	5.7 dB/100m
200 MHz	8.2 dB/100m

400 MHz	11.8 dB/100m
600 MHz	14.7 dB/100m
800 MHz	17.2 dB/100m
1000 MHz	19.4 dB/100m
1350 MHz	23.0 dB/100m
1750 MHz	27 dB/100m
2000 MHz	28.7 dB/100m
2150 MHz	30 dB/100m
2400 MHz	32 dB/100m
3000 MHz	36 dB/100m

Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
19 Ohm/km (5.8 Ohm/1000ft)	14 Ohm/km (4.3 Ohm/1000ft)	51 pF/m (16 pF/ft)	75 Ohm	87%

Screening

Frequency	Min. Screening Attenuation
30-1000 MHz	85 dB
1000-2000 MHz	75 dB
2000-3000 MHz	65 dB

Screening Class:	A
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Mechanical Characteristics

Temperature

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

Bulk Cable Weight:	49 kg/km
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor
CENELEC Compliance:	EN 50117-1

History

Update and Revision:	Revision Number: 0.197 Revision Date: 07-29-2024
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