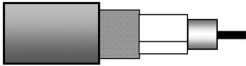




Product: [CX6C2](#)



CX6C2 - Broadband Coax 6, 14 AWG Solid BC, Foil + 60% BC Braid, LSZH Jkt

Product Description

Broadband Coax 6, 14 AWG Solid Bare Copper Conductor, PE Insulation, Copper Foil + 60% Bare Copper Braid Shield, LSZH 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

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	14 AWG	Solid	1.61 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	7.55 mm (0.297 in)

Table Notes:	Centricity min. 85%
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Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Bi-Laminate (Bare Copper+Poly)	100%
2	Braid	Bare Copper (BC)	70%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	11.1

Electrical Characteristics

Regularity of Impedance:	Min. 40 dB
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Return Loss (RL)

Frequency	Min. Return Loss
5 - 470 MHz	26 dB
470 - 1000 MHz	23 dB
1000 - 2000 MHz	18 dB
2000 - 3000 MHz	16 dB

Attenuation

Frequency	Nom. Attenuation
5 MHz	1.2 dB/100m
50 MHz	2.7 dB/100m
100 MHz	3.8 dB/100m
200 MHz	5.4 dB/100m
400 MHz	7.8 dB/100m
600 MHz	9.7 dB/100m

800 MHz	11.3 dB/100m
1000 MHz	12.8 dB/100m
1350 MHz	14.9 dB/100m
1750 MHz	17.3 dB/100m
2150 MHz	19.4 dB/100m
2400 MHz	20.6 dB/100m
3000 MHz	23.5 dB/100m
4000 MHz	27.8 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.
8.7 Ohm/km (2.7 Ohm/1000ft)	6.3 Ohm/km (1.9 Ohm/1000ft)	55 pF/m (17 pF/ft)	75 Ohm	81%

Screening

Frequency	Min. Screening Attenuation
30 - 1000 MHz	80 dB
1000 - 2000 MHz	75 dB
2000 - 3000 MHz	70 dB
3000 - 4000 MHz	65 dB

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-25°C - +70°C	-5°C To +50°C	-25°C - +70°C

Bend Radius

Stationary Min.
120 mm (4.7 in)

Max. Pull Tension:	300 N (67 lbf)
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Dca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Dca-s1,d2,a1
CENELEC Compliance:	EN 50117-1EN 50117-11-1EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.66 Revision Date: 03-30-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
CX6C2.011000	Green	Reel	1,000 m	8719605195845

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