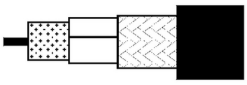
Product: CX4C0



CX4C0 - Broadband Coax 4, 11 AWG Solid BC, Foil + 60% BC Braid, PE Jkt

Product Description

Broadband Coax 4, 11 AWG Solid Bare Copper Conductor, PE Insulation, Copper Foil + 60% Bare Copper Braid Shield, PE Jacket.

Technical Specifications

Product Overview

Suitable Applications:	Broadband, Cable Television (CATV)

Construction Details

Series Type:	CATV-Trunk Type

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	12 AWG	Solid	2.23 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	10.2 mm (0.402 in)

Table Notes:	Centricity min. 85%

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Bi-Laminate (Bare Copper+Poly)	100%
2	Braid	Bare Copper (BC)	59%

Outer Jacket

Material	Nom. Diameter
PE - Polyethylene	13.8 mm

Table Notes:	According to European Standard EN 50290-2-20

Electrical Characteristics

Regularity of Impedance:	Min. 46 dB

Return Loss (RL)

Frequency	Min. Return Loss
5 - 30 MHz	26 dB
30 - 470 MHz	26 dB
470 - 862 MHz	23 dB
862 - 2400 MHz	18 dB

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

Attenuation

Frequency	Nom. Attenuation
5 MHz	0.6 dB/100m
50 MHz	1.9 dB/100m
100 MHz	2.8 dB/100m

200 MHz	4 dB/100m
400 MHz	5.9 dB/100m
600 MHz	7.4 dB/100m
800 MHz	8.8 dB/100m
1000 MHz	10 dB/100m
1350 MHz	11.9 dB/100m
1750 MHz	13.9 dB/100m
2150 MHz	15.7 dB/100m
2400 MHz	16.8 dB/100m

Table Notes:	Max. attenuation 10% higher

Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
4.5 Ohm/km (1.4 Ohm/1000ft)	4.5 Ohm/km (1.4 Ohm/1000ft)	54 pF/m (16 pF/ft)	75 Ohm	82%

Transfer Impedance

Max. Transfer Impedance
Max. 2.5 mOhm/m
Typ. 1.9 mOhm/m

Screening

Frequency	Min. Screening Attenuation
30 - 1000 MHz	95 dB

Screening Class:	A+

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-40°C To +70°C	-5°C To +50°C	-40°C To +70°C

Bend Radius

Stationary Min.
150 mm (5.9 in)

Max. Pull Tension:	400 N (90 lbf)
Bulk Cable Weight:	170 kg/km

Standards and Compliance

Environmental Suitability:	Outdoor
ISO/IEC Compliance:	IEC 61196
CENELEC Compliance:	EN 50117-1
European Directive Compliance:	EU CE Mark

History

Update and Revision:	Revision Number: 0.203 Revision Date: 04-29-2024