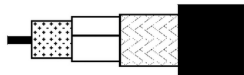


Product: [CX3C0](#) 

CX3C0 - Broadband Coax 3, 8 AWG Solid BC, Foil + 60% BC Braid, PE Jkt



Product Description

Broadband Coax 3, 8 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	8 AWG	Solid	3.38 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	14.9 mm (0.587 in)

Insulation Table Notes:	Centricity min. 85%
-------------------------	---------------------

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Bare Copper (BC)	100%
2	Braid	Bare Copper (BC)	55%

Outer Jacket

Material	Nom. Diameter
PE - Polyethylene	19.8 mm

Outer Jacket1 Table Notes:	According to European Standard EN 50290-2-20
----------------------------	--

Electrical Characteristics

Regularity of Impedance:	Min. 46 dB
--------------------------	------------

Return Loss

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

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

Attenuation

Frequency	Nom. Attenuation
5 MHz	0.4 dB/100m
50 MHz	1.3 dB/100m
100 MHz	1.8 dB/100m

200 MHz	2.6 dB/100m
400 MHz	3.9 dB/100m
600 MHz	4.8 dB/100m
800 MHz	5.7 dB/100m
862 MHz	5.9 dB/100m
1000 MHz	6.5 dB/100m
1350 MHz	7.7 dB/100m
1750 MHz	9 dB/100m
2150 MHz	10.2 dB/100m
2400 MHz	10.9 dB/100m

Attenuation 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.
1.9 Ohm/km (0.58 Ohm/1000ft)	2.6 Ohm/km (0.79 Ohm/1000ft)	54 pF/m (16 pF/ft)	75 Ohm	84%

Transfer Impedance

Frequency	Max. Transfer Impedance
5 - 30 MHz	Max. 2.5 mOhm/m
	Typ. 1.1 mOhm/m

Transfer Impedance Class:	A+
---------------------------	----

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.
200 mm (7.9 in)

Max. Pull Tension:	1200 N (270 lbf)
Bulk Cable Weight:	312 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: 0.207 Revision Date: 02-20-2026
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
CX3C0+00700	Black	Reel	700 m	8719605047519
CX3C0+001050	Black	Reel	1,050 m	8719605047502
CX3C0.001050	Black	Reel	1,050 m	8719605047410

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.