
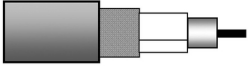


Product: [CX6C0](#) 

COAX 6 FOAM FB11 PE CATV



## Product Description

COAX 6 FOAM FB11 PE CATV

## Technical Specifications

### Product Overview

Suitable Applications:	Coaxial cable used in cable broadBand communication networks designed according the European Standard EN 50117-1; Operating at frequencies between 5 MHz and 3000 MHz
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	Diameter +/- Tolerance	No. of Coax
14	Solid	BC - Bare Copper	1.61 mm	0.02 mm	1

Conductor Count:	1
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#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	PE - Polyethylene (Foam)	7.55 mm	0.2 mm

Table Notes:	Centricity min. 85%
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#### Outer Shield Material

Type	Layer	Material	Coverage [%]	Min. Overlap	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Tape	1	Bare Copper (BC)	100%	4 mm			
Braid	2	Bare Copper (BC)	70%		8.2 mm	0.3 mm	5%

#### Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
PE - Polyethylene	11.1 mm	0.3 mm

### Construction and Dimensions

Min Elongation at Breakof Jacket:	300 %
Min Tensile Strength of Jacket:	10 MPa

### Electrical Characteristics

#### Conductor DCR

Max. Conductor DCR	Max. Conductor Loop	Max. Shield DCR
8.7 Ohm/km	15 Ohm/1000ft	6.3 Ohm/km

#### Capacitance

Nom. Capacitance	Capacitance Tolerance
55 pF/m	2 pF/m

#### Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance	Regularity of Impedance
75 Ohm	3 Ohm	Min. 40 dB

### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
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

### Delay

Nominal Velocity of Propagation (VP) [%]	Velocity of Propagation Tolerance
81%	2%

### High Freq

Frequency [MHz]	Min. RL (Return Loss) [dB]
5 - 30 MHz	26 dB
30 - 470 MHz	26 dB
470 - 1000 MHz	23 dB

### Screening

Frequency [MHz]	Min. Screening Attenuation
30 - 1000 MHz	90 dB

### Voltage

Voltage Test Dielectric
2.0 kV DC

### Temperature Range

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

### Mechanical Characteristics

Max. Pull Tension:	300 N
Min Bend Radius (W/o Pulling Strength):	120 mm
Crush Resistance:	Max. 1% (load of 700N) N
Adhesion Dielectric:	25-250 N at 50 mm N

### Standards

CENELEC Compliance:	EN 50117-1, EN 50117-2-3 and EN 50290-2-20
RG Type:	6/U Type

### Applicable Environmental and Other Programs

Environmental Space:	Outdoor
EU RoHS Compliance Date (yyyy-mm-dd):	1998-01-01

### Part Number

#### Variants

Item #	Color	Putup Type	Length	EAN
CX6C0.001000	Green	Reel	1,000 m	8719605048134

### History

Update and Revision:	Revision Number: 0.171 Revision Date: 12-17-2020
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