
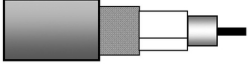


Product: [CX6C0](#) 

COAX 6 FOAM FB11 PE CATV



## Product Description

COAX 6 FOAM FB11 PE CATV

## Technical Specifications

### Product Overview

Environmental Space:	Outdoor
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

### 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

#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	FPE - Foamed Polyethylene	7.55 mm	0.2 mm

Insulation, Table Note: Centricity min. 85%

#### Outer Shield Material

Type	Layer	Material	Coverage [%]	Min. Overlap	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Tape	1	Copper		4 mm			
Braid	2	BC - Bare Copper	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
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#### 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 Recommended Pulling 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

EU RoHS Compliance Date (yyyy-mm-dd):	1998-01-01
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#### Part Number

#### Variants

Item #	Color	Length
CX6C0.001000	Green	1,000 m
CX6C0.009999	Green	899 m

#### History

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