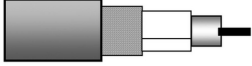




Product: [CTF100](#)

CTF100 - Broadband Coax, 18 AWG Solid BC, Foil + 50% BC Braid, PVC Jkt



## Product Description

Broadband Coax, 18 AWG Solid Bare Copper Conductor, PE Insulation, Copper Foil + 50% Bare Copper Braid Shield, PVC 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

RG Type:	6
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#### Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	18 AWG	Solid	0.96 mm	BC - Bare Copper

#### Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	4.7 mm (0.19 in)

#### Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Bi-Laminate (Bare Copper+Poly)	100%
2	Braid	Bare Copper (BC)	55%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	6.65 mm

### Electrical Characteristics

Regularity of Impedance:	Min. 40 or max. 1% dB
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#### Return Loss (RL)

Frequency	Min. Return Loss
5-470 MHz	20 dB
470 - 1000 MHz	18 dB
1000 - 2000 MHz	16 dB
2000 - 3000 MHz	15 dB

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

Frequency	Nom. Attenuation
5 MHz	1.6 dB/100m
50 MHz	4.6 dB/100m
100 MHz	6.5 dB/100m
200 MHz	9.5 dB/100m
460 MHz	15 dB/100m

800 MHz	18.8 dB/100m
860 MHz	19.5 dB/100m
1000 MHz	21.5 dB/100m
1750 MHz	29 dB/100m
2150 MHz	32.5 dB/100m
2400 MHz	34.4 dB/100m
3000 MHz	38.4 dB/100m

#### Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
26 Ohm/km (7.9 Ohm/1000ft)	15 Ohm/km (4.6 Ohm/1000ft)	55 pF/m (17 pF/ft)	75 Ohm	82%

#### Screening

Frequency	Min. Screening Attenuation
30 - 1000 MHz	75 dB
1000 - 2000 MHz	65 dB
2000 - 3000 MHz	55 dB

#### 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.
35 mm (1.4 in)

#### Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
CENELEC Compliance:	EN 50117-1, EN 50117-9-2, EN 50290-2-20
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

#### History

Update and Revision:	Revision Number: 0.204 Revision Date: 02-03-2025
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#### Part Numbers

##### Variants

Item #	Color	Putup Type	Length	EAN
CTF100.00100	Black	Reel	100 m	8719605047342
CTF100.00500	Black	Reel	500 m	8719605047366

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