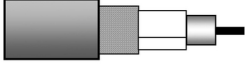




Product: [CTF125](#)

Life Cycle Status: Discontinued



CTF125 - Broadband Coax, 16 AWG Solid BC, Foil + 50% BC Braid, PVC Jkt

Product Description

Broadband Coax, 16 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:	7/U Type
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Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	16 AWG	Solid	1.25 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	5.4 mm (0.21 in)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Bi-Laminate (Bare Copper+Poly)	100%
2	Braid	Bare Copper (BC)	50%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	7.8 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	23 dB
470 - 1000 MHz	20 dB
1000 - 2000 MHz	18 dB
2000 - 3000 MHz	16 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	1.5 dB/100m
50 MHz	3.5 dB/100m
100 MHz	5 dB/100m
200 MHz	7.5 dB/100m
460 MHz	11.5 dB/100m

800 MHz	14.9 dB/100m
860 MHz	15.5 dB/100m
1000 MHz	17 dB/100m
1750 MHz	22.8 dB/100m
2150 MHz	26 dB/100m
2400 MHz	28 dB/100m
3000 MHz	32 dB/100m

Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
16 Ohm/km (4.9 Ohm/1000ft)	13.5 Ohm/km (4.11 Ohm/1000ft)	54 pF/m (16 pF/ft)	75 Ohm	81%

Screening

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

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.
40 mm (1.6 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: 0.263 Revision Date: 07-29-2024
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