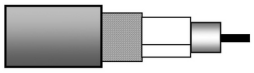
BELDEN



Product: CTF167P

Life Cycle Status: Discontinued

CTF167P - Broadband Coax, 14 AWG Solid BC, Foil + 50% BC Braid, PE Jkt

Product Description

Broadband Coax, 14 AWG Solid Bare Copper Conductor, PE Insulation, Copper Foil + 50% Bare Copper Braid Shield, PE Jacket.

Technical Specifications

Product Overview

Suitable Applications:	Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas

Construction Details

RG Type:	11

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	14 AWG	Solid	1.63 in	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	7.28 mm (0.287 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
PE - Polyethylene	10.1 mm

Electrical Characteristics

Regularity of Impedance:	Min. 40 or max. 1% dB

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

Attenuation

Frequency	Nom. Attenuation
5 MHz	0.9 dB/100m
50 MHz	2.8 dB/100m
100 MHz	3.9 dB/100m
200 MHz	5.7 dB/100m
460 MHz	9.2 dB/100m

800 MHz	12.2 dB/100m
860 MHz	12.6 dB/100m
1000 MHz	14 dB/100m
1750 MHz	19.2 dB/100m
2150 MHz	21.9 dB/100m
2400 MHz	23.2 dB/100m
3000 MHz	26.1 dB/100m

Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
8.5 Ohm/km (2.6 Ohm/1000ft)	10 Ohm/km (3.0 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	

Table Notes:	Flexing with 5 test cylces and 120 mm radius

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.
50 mm (2.0 in)

Standards and Compliance

Environmental Suitability:	Outdoor
CENELEC Compliance:	EN 50117-1, EN 50117-9-2, EN 50290-2-20
European Directive Compliance:	EU CE Mark

History

Update and Revision:	Revision Number: 0.288 Revision Date: 05-14-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
CTF167P.00100	Black	Reel	100 m	8719605047403