

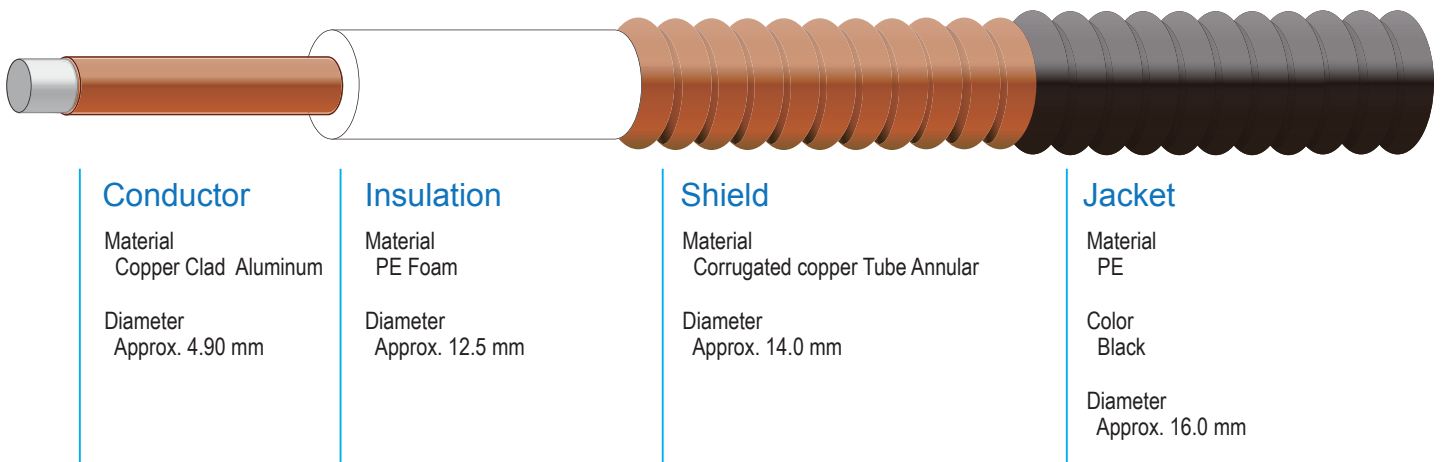
# CFD600 COAXIAL CABLE

Product No. **DC6001A5BT-E (PE)**

## Introduction

Corofoam 600 is a flexible low loss Communication cable with low bending moment, small bend radius and repeated bends for light routing. It is suitable for drop-in, jumper assemblies and short antenna feeder. Corofoam offer excellent shielding properties, lower attenuation, lower intermodulation distortion, and higher tensile and crush strength thanks for its annular corrugated copper outer conductor, which gives 100% coverage. Foam PE dielectric also designed for low loss and high power handling capacity.

## Structure Figure



## Physical Characteristics

Bending radius, mm	125 mm (4.9")
Weight	220 kg/km(150 lb/1000 feet)
Operating temperature	-40 to +80°C
Tensile strength	113 kg/250 lb
Standard length	500 ± 50 m/reel
Radiation resistance	10 <sup>5</sup> Gy

## Attenuation

Frequency [MHz]	Attenuation		Power [W]
	[dB/100m]	[dB/100ft]	
10	0.7	0.21	7500
100	2.2	0.67	1950
450	5.0	1.52	900
900	7.3	2.22	610
1000	7.7	2.35	580
1350	8.9	2.71	500
1800	10.2	3.11	430
2050	11.3	3.44	390
2400	12.5	3.81	360
3000	14.5	4.42	310

Attenuation values @+25°C, ambient temperature  
Average power values @+25°C, sea level & VSWR 1.0

## Electrical Characteristics

Impedance	50±2 Ω
Capacitance	75 pF/m (23.2 pF/ft)
Velocity of propagation	88%
Working voltage	500 V
Shielding effectiveness	>12 OdB
DC-resistance inner conductor	1.6 Ω/km
DC-resistance outer conductor	1.9 Ω/km

## Variants

Corofoam CFD600 can be ordered with the Fire-Retardant, Non-Halogen jacket. Will apply the certificate from ETL and IEEE in the nearest future.