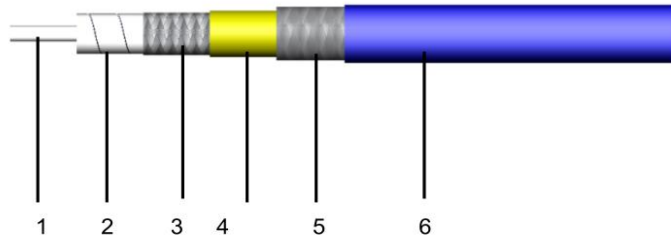


# CTFA-460



Low Loss High Performance RF cable



## Construction Specification

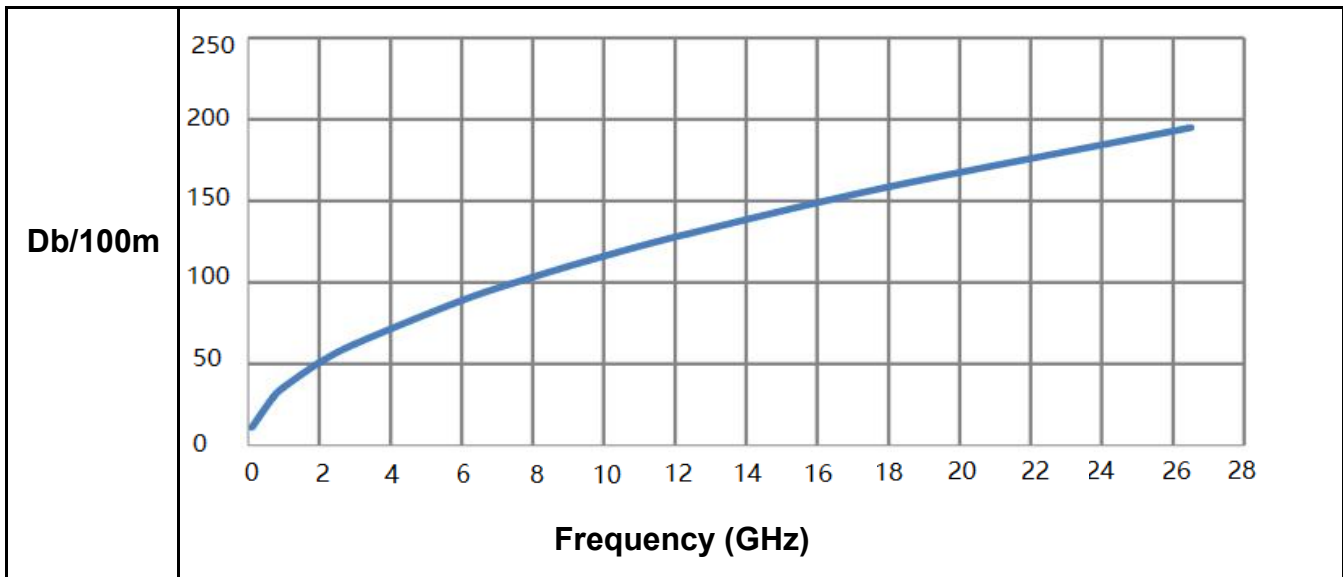
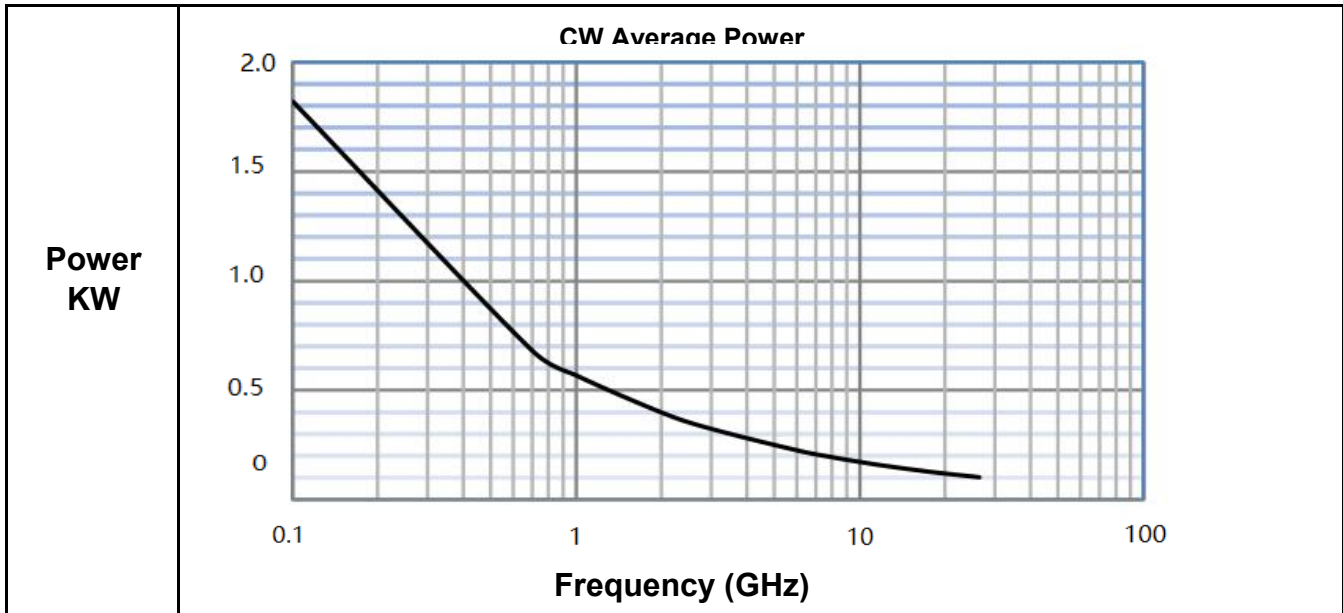
structure	Diameter(mm)	tolerance	Materials
1.Inner Conductor	1.02	±0.02	Silver Plated Copper
2.Dielectric	3.05	N/A	LD-PTFE
3.Outer Conductor	3.25	3.4max	Silver Plated Copper Ribbon
4.Innerlayer	3.43	N/A	Aluminum Laminate
5.Outer Sheild	3.88	4.0 max	Silver Plate Copper
6.Jacket	4.60	±0.15	FEP

## Electrical Characteristics

Frequency(GHz)	DC to 26.5GHz
Impedance	50Ohm
Velocity(%)	76%
Shielding Efficiency(dB)	>100
Withstand Voltage(V, DC)	1000

## Mechanical Characteristics

Min.Bending Radius with Install (mm)	20
Min.Bending Radius with Repeat (mm)	46
Weight (g/m)	50
Operating Temp.(°C)	-55 to 200
storage Temp.(°C)	-65 to 200



Attenuation (@25°C & VSWR=1.0) and transmission power (@40°C & One standard atmosphere)

Frequency (MHz)	dB/100M	Average Power(KW)
100	11.1	1.821
700	29.5	0.682
1000	35.4	0.569
2000	50.4	0.400
3000	62.0	0.324
6000	88.8	0.227
8000	103.2	0.195
10000	116.0	0.174
12400	129.9	0.155
18000	158.3	0.127
26500	194.9	0.103

**Note:**  $K1=1.0994853$ ,  $K2=0.0006019$  Formulas= $K1 \cdot \sqrt{FMHz} + K2 \cdot FMHz$