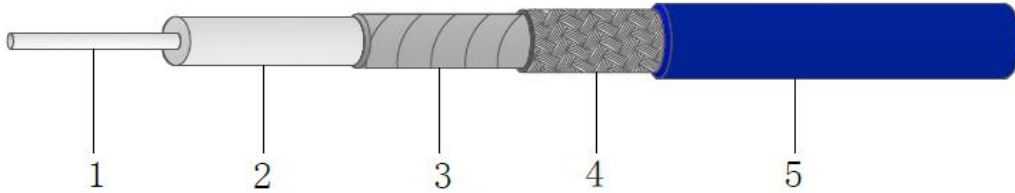


# CTFC-280



High Performance Flexible RF cable



## Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	0.51	Silver Plated Copper
2.Dielectric	1.63	PTFE
3.Outer Conductor	1.79	Flat Silver Plated Copper Wrap
4.Shield	2.16	Silver Plated Copper
5.Jacket	2.80	FEP

## Electrical Characteristics

Frequency(GHz)	DC to 26.5GHz
Impedance	50Ohm
Velocity(%)	70%
Shielding Efficiency(dB)	>90
Capacitance(Pf/M)	95
Cutoff Frequency(GHz)	61GHz
Voltage Withstanding(V)	1000 DC

## Mechanical Characteristics

Min.Bending Radius Static(mm)	14
Min.Bending Radius with Repeat (mm)	28
Weight (g/m)	22
Operating Temp.(°C)	-55 to 165
storage Temp.(°C)	-65 to 165

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

Frequency (MHz)	Attenuation (dB/100M)	Average Power(KW)
30	11.44	0.605
50	14.81	0.467
100	21.06	0.329
300	36.98	0.187
500	48.19	0.144
900	65.55	0.106
1000	69.30	0.100
1500	85.96	0.081
2000	100.31	0.069
3000	125.02	0.055
4000	146.47	0.047
5000	165.84	0.042
6000	183.73	0.038
8000	216.37	0.032
10000	246.06	0.028
12000	273.66	0.025
12400	278.98	0.025
13500	293.30	0.024
15000	321.20	0.022
18000	348.17	0.020
24000	414.70	0.017
26500	440.80	0.016

**Note:** K1=2.0669291, K2=0.003937 Formulas: dB100 m =K1\* √ FMHz+K2\*FMHz