

CFT380

Flexible, Ultra Low-Loss,

Suitable for Precision Testing, Phase & Amplitude Stable RF Coaxial Cable

Ver: DA-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.02	Silver Plated Copper
2	Insulating	2.85	LD-PTFE
3	Outer Conductor	3.05	Silver Plated Copper Ribbon
4	Sandwich layer	3.25	PTFE
5	Shielding	3.55	Silver Plated Copper
6	Jacket	3.90	FEP

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	81%
4	Voltage Withstand (V,DC)	1000
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	38
7	Single Bend Radius(mm)	19.00
8	Repeated Bend Radius(mm)	38.00
9	Temperature Range(°C)	-55~+165

Attenuation (Typical@25°C & VSWR=1.0) VS. Frequency VS. Power (VSWR=1.0; 40°C; Sea Level)

Frequency (MHz)	300	1000	2000	3000	6000	8000	10000	12000	18000	26500	40000
Attenuation (dB/m)	0.173	0.319	0.454	0.559	0.801	0.931	1.047	1.153	1.430	1.761	2.205
Average Power (KW)	0.940	0.511	0.359	0.291	0.203	0.175	0.156	0.141	0.114	0.093	0.074

$$K1=0.9907490$$

$$K2=0.0005600$$

$$\text{Calculate Attenuation} = K1*\sqrt{\text{FMHz}}+K2*\text{FMHz}$$



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