CFS550

Flexible, Ultra Low-Loss, Phase & Amplitude Stable Coaxial Cable

Structure & Dimension			
	Structure	**Dimension (mm)**	**Material**
1	Inner Conductor	1.60	Silver Plated Copper
2	Insulating	4.30	LD-PTFE
3	Outer Conductor	4.50	Silver Plated Copper Ribbon
4	Shielding	5.10	Silver Plated Copper
5	Jacket	5.60	PFA

Specification		
1	Operating Frequency (GHz)	18
2	Impedance (Ohms)	50
3	Phase Stability	≤±2° @ 10 GHz ; ≤±3° @ 18 GHz
4	Phase Stability (Temperature)	< 750 PPM @ -55℃ ~ +85℃
5	Amplitude Stability	≤±0.1 dB @ 18 GHz
6	Velocity of Propagation	83%
7	Voltage Withstand (V,DC)	2000
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	93
10	Single Bend Radius (mm)	28.00
11	Repeated Bend Radius (mm)	56.00
12	Temperature Range (℃)	-55 ~ +165

Attenuation VS. Frequency

Frequency （MHz）	100	300	500	1000	2000	3000	4000	6000	8000	10000	12400	18000
Attenuation （dB/m）	0.070	0.122	0.157	0.223	0.316	0.388	0.448	0.550	0.636	0.713	0.795	0.961
Average Power （KW）	3.248	1.873	1.450	1.024	0.723	0.589	0.509	0.415	0.359	0.320	0.287	0.237