

CFA930

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	2.44	Silver Plated Copper										
2	Insulating	7.24	LD-PTFE										
3	Outer Conductor	7.48	Silver Plated Copper Ribbon										
4	Shielding	8.20	Silver Plated Copper										
5	Jacket	9.30	FEP										
Specification													
1	Operating Frequency (GHz)	10											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 2^\circ$ @ 10 GHz											
4	Phase Stability (Temperature)	< 1400 PPM @ -55°C ~ +85°C											
5	Amplitude Stability	$\leq \pm 0.1$ dB @ 10 GHz											
6	Velocity of Propagation	76%											
7	Voltage Withstand (V,DC)	2500											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	180											
10	Single Bend Radius (mm)	46.00											
11	Repeated Bend Radius (mm)	93.00											
12	Temperature Range (°C)	-55 ~ +165											
Attenuation VS. Frequency													
Frequency (MHz)	100	300	500	1000	2000	3000	4000	5000	6000	8000	10000		
Attenuation (dB/m)	0.039	0.067	0.088	0.126	0.181	0.225	0.263	0.298	0.329	0.386	0.438		
Average Power (KW)	5.990	3.420	2.629	1.833	1.271	1.023	0.875	0.775	0.701	0.597	0.526		