

CFP930

Flexible, Low-Loss, Resistance to High Power,
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	Sandwich Layer	7.61	Aluminum Foil (High temperature)
5	Shielding	8.19	Silver Plated Copper
6	Jacket	9.30	FEP

Specification

1	Operating Frequency (GHz)	10
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 3^\circ$ @10GHz
4	Phase Stability (Temperature)	$< 1400\text{PPM}@-55^\circ\text{C}\sim+85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}@10\text{GHz}$
6	Velocity of Propagation	76%
7	Voltage Withstand (V, DC)	2500
8	Shielding Effectiveness (dB)	> 90
9	Weight (g/m)	200
10	Single Bend Radius (mm)	51.00
11	Repeated Bend Radius (mm)	100.00
12	Temperature Range ($^\circ\text{C}$)	$-55\sim+200$

Attenuation VS. Frequency VS. Power

Frequency (MHz)	100	300	500	1000	1250	1500	2000	3000	4000	6000	8000	10000
Attenuation (dB/m)	0.045	0.079	0.103	0.147	0.165	0.182	0.212	0.262	0.306	0.382	0.447	0.506
Average Power (KW)	5.990	3.420	2.630	1.840	1.640	1.490	1.280	1.030	0.880	0.710	0.605	0.534



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