

CFS920MS

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



Structure & Dimension													
	Structure	Dimension (mm)	Material										
1	Inner Conductor	2.39	Silver Plated Copper (Multi-fiber Stranded)										
2	Insulating	6.10	LD-PTFE										
3	Outer Conductor	6.48	Silver Plated Copper Ribbon										
4	Shielding	6.72	Silver Plated Copper										
5	Inner Layer	7.30	PTFE										
6	Jacket	9.15	PUR										
Specification													
1	Operating Frequency (GHz)	18											
2	Impedance (Ohms)	50											
3	Phase Stability	$\leq \pm 2^\circ @ 10 \text{ GHz}$; $\leq \pm 3^\circ @ 18 \text{ GHz}$											
4	Phase Stability (Temperature)	$< 750 \text{ PPM} @ -55^\circ\text{C} \sim +85^\circ\text{C}$											
5	Amplitude Stability	$\leq \pm 0.1 \text{ dB} @ 18 \text{ GHz}$											
6	Velocity of Propagation	83%											
7	Voltage Withstand (V,DC)	2000											
8	Shielding Effectiveness (dB)	> 90											
9	Weight (g/m)	142											
10	Single Bend Radius (mm)	45.80											
11	Repeated Bend Radius (mm)	91.50											
12	Temperature Range ($^\circ\text{C}$)	$-55 \sim +85$											
Attenuation VS. Frequency													
Frequency (MHz)	1000	2000	4000	6000	8000	10000	12000	14000	16000	18000			
Attenuation (dB/m)	0.167	0.238	0.341	0.421	0.489	0.550	0.606	0.658	0.707	0.753			
Average Power (KW)	5.134	3.602	2.519	2.039	1.754	1.559	1.415	1.304	1.214	1.139			