

# 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	$\leq \pm 2^\circ$ @10GHz; $\leq \pm 3^\circ$ @18GHz
4	Phase Stability (Temperature)	$< 750\text{PPM}$ @ $-55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}$ @18GHz
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 VS. Power

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



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