

# CSA360

Super Flexible, Low-Loss,

Resistance to Harsh Environment Coaxial Cable



## Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.72	Silver Plated Copper ( (Multi-fiber Stranded) )
2	Insulating	2.05	LD-PTFE
3	Outer Conductor	2.22	Silver Plated Copper Ribbon
4	Shielding	2.66	Silver Plated Copper
5	Jacket	3.60	PUR

## Specification

1	Operating Frequency (GHz)	40
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 4^\circ$ @18GHz; $\leq \pm 5^\circ$ @26.5GHz; $\leq \pm 8^\circ$ @40GHz
4	Phase Stability (Temperature )	$< 1300\text{PPM}$ @ $-55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.1\text{dB}$ @18GHz
6	Velocity of Propagation	76%
7	Voltage Withstand (V, DC)	500
8	Shielding Effectiveness (dB)	$> 90$
9	Weight (g/m)	30
10	Single Bend Radius (mm)	18.00
11	Reaped Bend Radius (mm)	36.00
12	Temperature Range ( $^\circ\text{C}$ )	$-55 \sim +85$

## Attenuation VS. Frequency VS. Power

Frequency (MHz)	300	500	1000	3000	6000	8000	10000	12400	16000	18000	26500	40000
Attenuation (dB/m)	0.280	0.363	0.519	0.921	1.335	1.560	1.764	1.987	2.291	2.449	3.055	3.888
Average Power (KW)	0.220	0.169	0.119	0.067	0.046	0.039	0.035	0.031	0.027	0.025	0.020	0.016



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