

CSA500

Super Flexible, Low-Loss,

Withstands Harsh Outdoor Environments RF Coaxial Cable

Ver: S-A01



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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.02	Silver Plated Copper (Stranded)
2	Insulating	3.00	LD-PTFE
3	Outer Conductor	3.20	Silver Plated Copper Ribbon
4	Shielding	3.78	Silver Plated Copper
5	Jacket	5.00	PUR

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	1600
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	51
7	Single Bend Radius(mm)	25.00
8	Repeated Bend Radius(mm)	50.00
9	Temperature Range(°C)	-40~+85

Attenuation (Typical@25°C & VSWR=1.0) VS. Frequency VS. Power (VSWR=1.0; 40°C; Sea Level)

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500
Attenuation (dB/m)	0.385	0.559	0.698	1.032	1.219	1.390	1.579	1.980	2.521
Average Power (KW)	0.149	0.103	0.082	0.056	0.047	0.041	0.036	0.029	0.023

$$K1=1.1366000$$

$$K2=0.0025300$$

$$\text{Calculate Attenuation} = K1*\sqrt{\text{FMHz}}+K2*\text{FMHz}$$



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