

CFU540

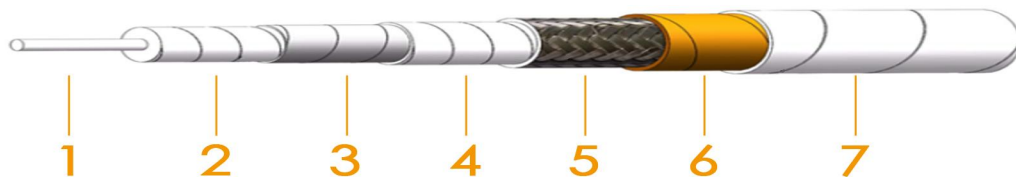
Flexible, Low-Loss, Suitable for Ultra-High Temperature Applications,

Phase & Amplitude Stable RF Coaxial Cable

Ver: S-A01



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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.40	Silver Plated Copper
2	Insulating	3.75	LD-PTFE
3	Outer Conductor	3.95	Silver Plated Copper Ribbon
4	Sandwich layer	4.20	PTFE
5	Shielding	4.65	Silver Plated Copper
6-7	Jacket	5.40	PI & PTFE

Specification

1	Operating Frequency(GHz)	26.5
2	Impedance(Ohms)	50
3	Velocity of Propagation	83%
4	Voltage Withstand (V,DC)	1500
5	Shielding Effectiveness(dB)	≥90
6	Max Tolerable Temperature (°C@400s)	400
7	Weight(g/m)	60
8	Single Bend Radius(mm)	27.00
9	Repeated Bend Radius(mm)	54.00
10	Temperature Range(°C)	-55~+125

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)	0.243	0.346	0.427	0.611	0.710	0.799	0.895	1.092	1.345
Average Power (KW)	1.050	0.737	0.598	0.418	0.359	0.320	0.285	0.234	0.190

$$K1=0.7545930$$

$$K2=0.0004400$$

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



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