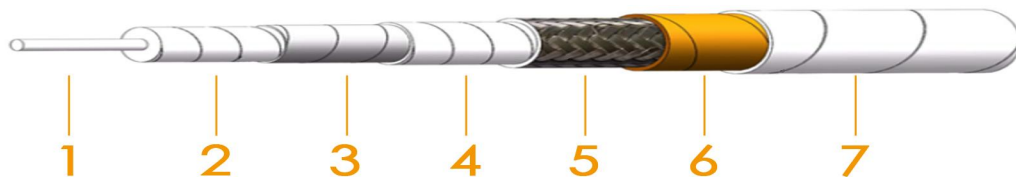


Flexible, Low-Loss, Suitable for Ultra-High Temperature Applications,

Phase & Amplitude Stable RF Coaxial Cable

Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.72	Silver Plated Copper
2	Insulating	2.10	LD-PTFE
3	Outer Conductor	2.25	Silver Plated Copper Ribbon
4	Sandwich layer	2.55	PTFE
5	Shielding	3.01	Silver Plated Copper
6-7	Jacket	3.60	PI & PTFE

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	1000
5	Shielding Effectiveness(dB)	≥90
6	Max Tolerable Temperature (°C@400s)	400
7	Weight(g/m)	28
8	Single Bend Radius(mm)	18.00
9	Repeated Bend Radius(mm)	36.00
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	40000
Attenuation (dB/m)	0.519	0.744	0.921	1.334	1.560	1.764	1.987	2.449	3.055	3.888
Average Power (KW)	0.400	0.279	0.225	0.155	0.133	0.118	0.104	0.085	0.068	0.053

K1=1.5829290

K2=0.0018060

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



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