

CFU260

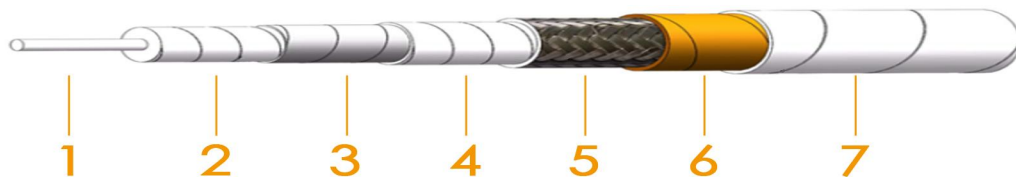
Flexible, Low-Loss, Suitable for Ultra-High Temperature Applications,

Phase & Amplitude Stable RF Coaxial Cable

Ver: S-A01



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Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.50	Silver Plated Copper
2	Insulating	1.38	LD-PTFE
3	Outer Conductor	1.54	Silver Plated Copper Ribbon
4	Sandwich layer	1.82	PTFE
5	Shielding	2.17	Silver Plated Copper
6-7	Jacket	2.65	PI & PTFE

Specification

1	Operating Frequency(GHz)	40
2	Impedance(Ohms)	50
3	Velocity of Propagation	81%
4	Voltage Withstand (V,DC)	400
5	Shielding Effectiveness(dB)	≥90
6	Max Tolerable Temperature (°C@400s)	400
7	Weight(g/m)	18
8	Single Bend Radius(mm)	13.00
9	Repeated Bend Radius(mm)	27.00
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)	0.637	0.908	1.119	1.604	1.865	2.098	2.352	2.871	3.540	4.440
Average Power (KW)	0.097	0.068	0.055	0.039	0.033	0.029	0.026	0.022	0.017	0.014

$$K1=1.9758320$$

$$K2=0.0012210$$

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



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