

CFR160U

Flexible, Economy & Good Stability,

Replace Semi-flex and Semi-rigid RF Coaxial Cable

Ver: DA-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.287	Silver Plated Copper
2	Insulating	0.93	PFA
3	Outer Conductor	1.04	Silver Plated Copper Ribbon
4	Shielding	1.18	Silver Plated Sn-Cu Alloy
5	Jacket	1.45	FEP

Specification

1	Operating Frequency(GHz)	110
2	Impedance(Ohms)	50
3	Velocity of Propagation	70%
4	Voltage Withstand (V,DC)	500
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	6.0
7	Single Bend Radius(mm)	10.00
8	Repeated Bend Radius(mm)	15.00
9	Temperature Range(°C)	-55~+165

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

Frequency (MHz)	1000	4000	6000	8000	10000	12000	18000	26500	40000	50000	67000	110000
Attenuation (dB/m)	1.100	2.309	2.889	3.394	3.852	4.277	5.420	6.831	8.800	10.128	12.223	16.984
Average Power (KW)	0.035	0.017	0.013	0.011	0.010	0.009	0.007	0.006	0.004	0.004	0.003	0.002

$$K1=3.3049180$$

$$K2=0.0054754$$

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



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