

CFD180U

Flexible, Cost-effective, Ultra Low-Loss,
Phase & Amplitude Stable RF Coaxial Cable
Ver: S-A01



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	0.40	Silver Plated Copper Clad Steel
2	Insulating	1.15	LD-PTFE
3	Outer Conductor	1.30	Silver Plated Copper Ribbon
4	Shielding	1.50	Silver Plated Copper
5	Jacket	1.80	FEP

Specification

1	Operating Frequency(GHz)	90
2	Impedance(Ohms)	50
3	Velocity of Propagation	76%
4	Voltage Withstand (V,DC)	400
5	Shielding Effectiveness(dB)	≥90
6	Weight(g/m)	8
7	Single Bend Radius(mm)	9.00
8	Repeated Bend Radius(mm)	18.00
9	Temperature Range(℃)	-55~+125

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

Frequency (MHz)	1000	3000	6000	8000	10000	12400	18000	26500	40000	50000	67000	90000
Attenuation (dB/m)	0.853	1.492	2.132	2.475	2.780	3.111	3.786	4.650	5.804	6.554	7.698	9.072
Average Power (KW)	0.062	0.035	0.025	0.021	0.019	0.017	0.014	0.011	0.009	0.008	0.007	0.006
K1=2.6578500						K2=0.0012210						
Calculate Attenuation = K1*√FMHz+K2*FMHz												



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