

Ultra low loss, stable amplitude, stable phase flexible coaxial cable

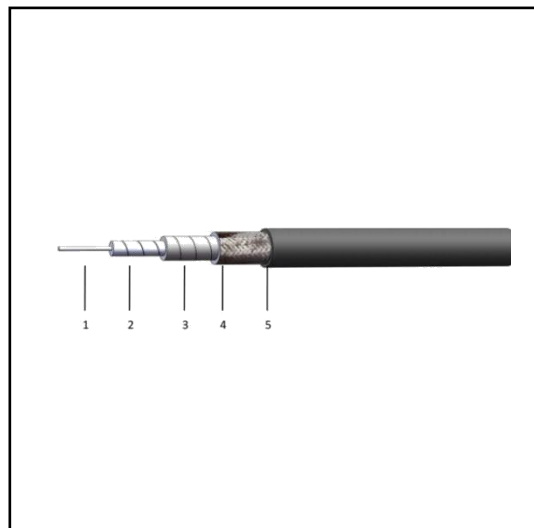
P/N:CA150

Features:

- Maximum operating frequency: 67GHz
- Low loss
- Stable amplitude and phase

Typical Applications:

- Tactical radar
- Information Channel
- electronic countermeasure
- High power cable



Structural Materials and Dimensions:

Structure	Material	Diameter(mm)
1.Center conductor	Silver plated copper	0.30
2.Dielectric	Low density PTFE	0.85
3.Outer conductor	Silver plated copper strip	1.00
4.External shielding	Silver plated copper wire	1.22
5.Jacket	FEP(gray)	1.50

Specifications:

Operating frequency range (GHz)	DC-110GHz
Impedance (Ω)	50 Ω
Velocity of propagation (%)	78%
Dielectric strength (V,DC)	200 V,DC
Static bending radius (mm)	8mm
Dynamic bending radius (mm)	15mm
Weight (g/m)	6g/m
Operating temperature range ($^{\circ}\text{C}$)	-55 $^{\circ}\text{C}$ to+125 $^{\circ}\text{C}$
RoHS	Compliant

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Attenuation (dB/100m) typical value @ 25 °C sea level and Transmission power value

Frequency(MHz)	Attenuation(dB/100m)	Average power(kw)
1000	154.7	0.033
6000	381.5	0.014
18000	665.9	0.008
26500	811.2	0.006
40000	1001.8	0.005
67000	1307.1	0.004



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