

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

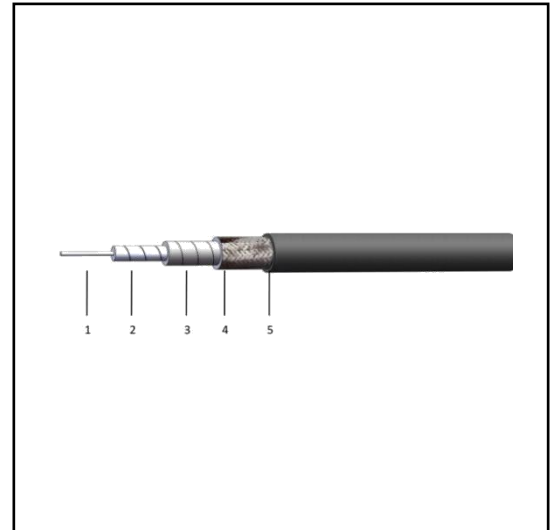
P/N:CA750

Features:

- Maximum operating frequency: 18GHz
- 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	2.12
2.Dielectric	Low density PTFE	5.85
3.Outer conductor	Silver plated copper strip	6.07
4.External shielding	Silver plated copper wire	6.60
5.Jacket	FEP	7.50

Specifications:

Operating frequency range (GHz)	DC-18GHz
Impedance (Ω)	50 Ω
transmission speed (%)	83%
Dielectric strength (V,DC)	2000 V,DC
Static bending radius (mm)	37.5mm
Dynamic bending radius (mm)	75mm
Weight (g/m)	134g/m
Operating temperature range ($^{\circ}$ C)	-55 $^{\circ}$ C to+165 $^{\circ}$ 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	15.43	1.740
2000	21.93	1.227
4000	31.21	1.000
6000	38.42	0.704
8000	44.55	0.608
10000	49.99	0.543
12000	54.94	0.487
16000	63.81	0.427
18000	67.86	0.402



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