

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

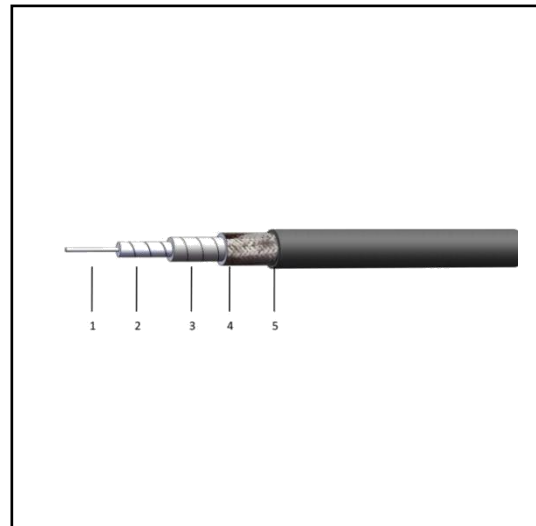
P/N:CA520

Features:

- Maximum operating frequency: 26.5GHz
- 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	1.45
2.Dielectric	Low density PTFE	4.00
3.Outer conductor	Silver plated copper strip	4.20
4.External shielding	Silver plated copper wire	4.75
5.Jacket	FEP	5.20

Specifications:

Operating frequency range (GHz)	DC-26.5GHz
Impedance (Ω)	50 Ω
transmission speed (%)	83%
Dielectric strength (V,DC)	1500 V,DC
Static bending radius (mm)	26mm
Dynamic bending radius (mm)	52mm
Weight (g/m)	60g/m
Operating temperature range ($^{\circ}\text{C}$)	-55 $^{\circ}\text{C}$ to+165 $^{\circ}\text{C}$
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	23.41	1.128
2000	33.29	0.793
4000	47.76	0.645
6000	58.49	0.451
8000	67.89	0.389
10000	76.25	0.346
12000	83.87	0.309
18000	103.81	0.254
26500	127.50	0.207



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