

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

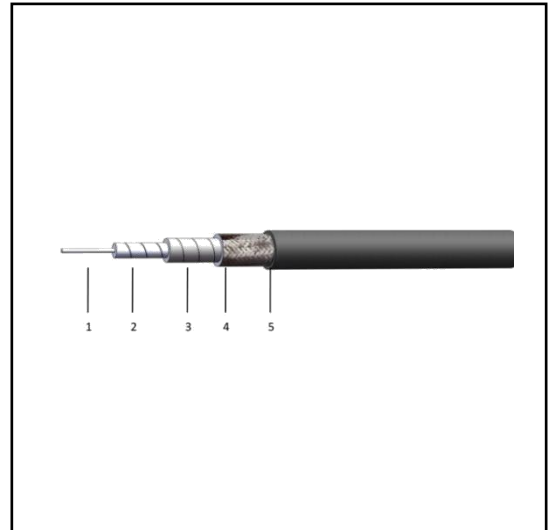
P/N:CA820

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	2.40
2.Dielectric	Low density PTFE	6.36
3.Outer conductor	Silver plated copper strip	6.60
4.External shielding	Silver plated copper wire	7.10
5.Jacket	FEP	8.20

Specifications:

Operating frequency range (GHz)	DC-18GHz
Impedance (Ω)	50 Ω
transmission speed (%)	83%
Dielectric strength (V,DC)	2500 V,DC
Static bending radius (mm)	41mm
Dynamic bending radius (mm)	82mm
Weight (g/m)	156g/m
Operating temperature range ($^{\circ}$ C)	-55 $^{\circ}$ C to+165 $^{\circ}$ C
RoHS	Compliant

Ultra low loss, stable amplitude, stable phase flexible coaxial cable P/N:CA820

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

Frequency(MHz)	Attenuation(dB/100m)	Average power(kw)
1000	13.70	1.894
2000	19.50	1.324
3000	24.10	1.071
6000	34.80	0.743
8000	40.60	0.636
10000	45.80	0.564
12400	51.50	0.502
16000	59.30	0.436
18000	63.30	0.409



YERSON and its affiliates reserve the right to make changes to the products or information contained herein without prior notice. Please visit www.yersontech.com for additional data-sheets and product information.