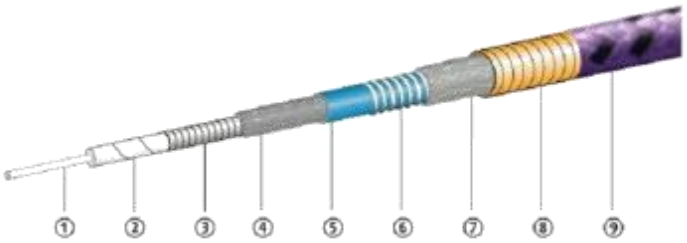
High precision testing cable

P/N:CA820KJ

Features:

- Maximum operating frequency: 18GHz
- Low loss
- Low VSWR
- Resistant to bending and shaking
- Torsion resistance, tensile resistance



Typical Applications:

- Laboratory testing
- Dark room testing
- System testing
- High precision instrument interconnection

Structural Materials and Dimensions:

Structure	Material	Diameter(mm)
1. Inner conductor	Silver-plated copper	2.40
2. Dielectric	Low density PTFE	6.36
3. 1st Outer conductor	Silver-plated copper strip	6.60
4. 2nd Outer Conductor	Silver-plated copper wire	7.10
5. Jacket	FEP	8.20
6. 1st Protection layer	stainless steel	9.10
7. 2nd Protection layer	Sliver-plated copper braid	9.50
8. 3rd Protection layer	PI	9.70
9. 4rd Protection layer	PTFE	10.40

Room 012, No. 601, F6, Building 2, Yard 9, Jiuxianqiao East Road, Chaoyang District, Beijing, 100020, China
Tel:+86-400-6280-166 Phone:+86 13810835573 Web:www.yersontech.com

High precision testing cable

P/N:CA820KJ

Specifications:

Operating frequency range（GHz）	DC-18GHz
Impedance（Ω）	50Ω
Velocity of propagation（%）	84%
Dielectric withstand voltage（V,DC）	2500 V,DC
Shielding Effectiveness(dB)	>90dB
Typical Phase Stability(degree)	±7
Static bending radius(mm)	60mm
Dynamic bending radius(mm)	120mm
Number of times of repeated bending	50000
Weight(g/m)	165g/m
Operating temperature range（℃）	-55℃ to+165℃
RoHS	Compliant

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

Frequency(MHz)	Attenuation(dB/100m)	Average power(kw)
1000	13.7	1.894
2000	19.5	1.324
3000	24.1	1.071
6000	34.8	0.743
8000	40.6	0.636
10000	45.8	0.564
12400	51.5	0.502
16000	59.3	0.436
18000	63.3	0.409

Room 012, No. 601, F6, Building 2, Yard 9, Jiuxianqiao East Road, Chaoyang District, Beijing, 100020, China
Tel:+86-400-6280-166 Phone:+86 13810835573 Web:www.yersontech.com