

## CG197

The CG197 microwave test cable is a kind of durable and cost-effective test cable. It has been widely used in a variety of test sites or system interconnection because of its excellent performance. It features a very stable design structure and the use of wear-resistant stainless-steel connector, so it can stand a long time and stable interpolation test, especially for test in production, laboratory and field environment. Meanwhile, the cable is also very competitive in the system interconnection application.

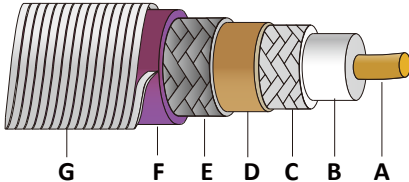


### FEATURES

1. Lowest Insertion Loss Available, DC-26.5GHz
2. Ultra Life Span
3. Ultra Stable Loss, Phase And VSWR With Flexing
4. Great Amplitude Stability On Temperature And Mechanical
5. Ultra Life Span
6. Superior Shielding Effectiveness
7. Variety Of Protective Jacket Options

### APPLICATIONS

1. Research And Development Laboratory
2. Huge Environment Production Line
3. Device And Parts Environmental Test
4. Large-scale Manufacturer Production
5. Occasional Malfunction Detection
6. Connection Between Different RF Instruments



STRUCTURE		MATERIAL		DIMENSION [mm(inch)]			
<b>A</b>	Inner Conductor	Silver-Plated Copper		0.94 [0.0370]			
<b>B</b>	Dielectric	LD PTFE		2.97 [0.1169]			
<b>C</b>	Inner Shield	Silver-Plated Copper Braid		3.17 [0.1248]			
<b>D</b>	Interlayer	Heat Treated Aluminum Foil		3.33 [0.1311]			
<b>E</b>	Outer Shield	Silver-Plated Copper Braid		3.80 [0.1496]			
<b>F</b>	Jacket	FEP		5.00 [0.1969]			
<b>G</b>	Armor	PVC/ Stainless Steel/ Black Spring		/			
ELECTRICAL		MECHANICAL & ENVIRONMENTAL		V.S.W.R.( DB) VS CONNECTOR			
Impedance	50Ω	Bend Radius: Installation	20mm	Frequency (GHz)	SMA	N	BNC
Velocity Percentage	73%	Bend Radius: Repeated	50mm		SMK		
Voltage Withstanding	1000V DC	Weight	50g/m	3000	1.1	1.1	1.15
Shielding Efficiency	>-110dB	Temperature	-55~+125 °C	6000	1.15	1.15	
Operating Frequency	26.5GHz	RoHS	Compliant	18000	1.2	1.25	
Capacitance	96.41pf/m	Phase Stability	±1.1° DC-10GHz	26500	1.3		
			±2° DC-18GHz				
		Amplitude Stability	±0.05dB DC-26.5GHz				