



## A.H. Systems, Inc.

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## SAC-18G

**Low-Loss, High-Frequency RF  
cable for high frequency testing  
up to 18 GHz**

Our Low-Loss High-Frequency flexible cables are the preferred choice over standard cable types. With improved power handling, low VSWR, and high frequency capabilities, the Low-Loss cables can be made to your specified length and delivered in two days.



Frequency Range: DC – 18 GHz  
Impedance: 50 ohm  
Capacitance: 24 pF/ft  
Time Delay: 1.2 nS/ft  
Velocity: 84%  
RF leakage: >100dB to 18 GHz  
Typical VSWR: 1.4:1 up to 18 GHz  
Max Power @ 1 GHz: 1900 watts  
Max Power @ 18 GHz: 400 watts

Standard connectors: Precision N-type, male  
Standard Cable Length: 3 Meters (custom lengths made upon request)

### **Physical Dimensions**

Cable size (O.D.): 0.310in. (7.87mm)  
Weight: 12.5 lbs./100 ft (5.6 Kg / 30m)  
Minimum bend radius: 2.0 in. (51mm)

Temp Range -65° to +200° C

### **Features**

- 18 GHz frequency
- Individually Calibrated
- Low Attenuation, Low VSWR
- Customize length cables made to your specifications

AH Systems assembles high performance microwave cable that utilizes only the very best materials. With plenty of raw stock on hand, we can create a custom length high precision cable assembly within a few days. The outer jacket is a tough, high temperature thermoplastic that can withstand temperatures from -65° to +200° Celsius. All this adds up to a very superior microwave cable product that can meet the most demanding requirements. This product line has three different sizes of cable designed to operate from DC up to 18, 26 or 40 GHz. Please call us and discuss your needs with one of our design engineers.



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**3 Meter Low-Loss Cable Calibration**

**Model Number: SAC-18G-3**

