

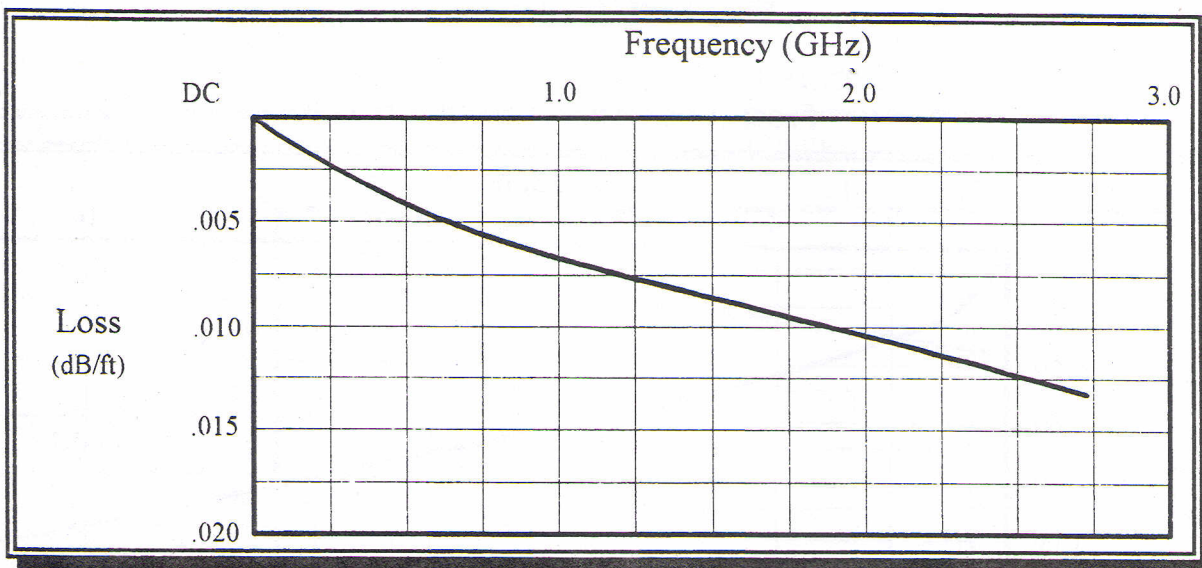
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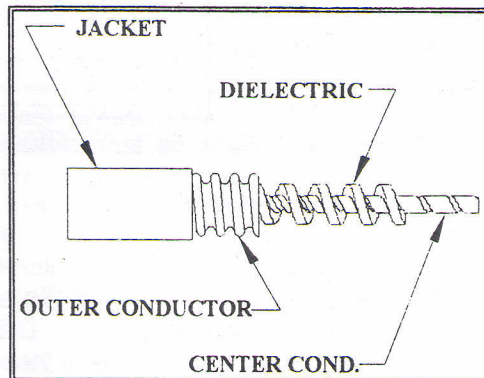


**S752 Flexible Coaxial Cable**  
2.75 GHz Cable

**Frequency vs. Attenuation**



Frequency (GHz)	Typical Insertion Loss (**) (dB/ft)	Precision Connector Maximum VSWR	Non Precision Connector Maximum VSWR	Average Power @ 40°C (KW)
0.03	0.0011	1.20:1	1.30:1	28.0
0.4	0.0042	1.25:1	1.35:1	7.5
1.0	0.0069	1.35:1	1.45:1	4.6
2.0	0.0105	1.35:1	1.45:1	3.1
2.74	0.0130	1.40:1	1.50:1	2.7



\*\* - Includes precision connector losses

**Electrical Characteristics:**

Nominal Impedance: 50Ω  
Velocity of Propagation: 95 %  
Effective Dielectric Constant: 1.11  
Time Delay: 1.07 ns/ft  
Shielding Effectiveness: -90 dBc min.  
Dielectric Withstanding Voltage: 8.0 KV  
(@ 60 Hz, Sea Level/25°C)  
Nominal Capacitance: 22.5 pF/ft  
Maximum Frequency: 2.74 GHz

**Physical Characteristics:**

Center Conductor: Corrugated copper tube  
Dielectric: Air with spiral wound polyethylene  
Outer Conductor: Seamless, corrugated copper  
1.830" O.D. nominal  
Jacket Type: Polyethylene (Black)  
Jacketed O.D.: 1.996" O.D. nominal  
Minimum Internal Bend Radius: 20.0 inches  
Operating Temperature: -55°C to +80°C  
Weight per foot: 0.864 lbs.  
Connector Interface: Per MIL-C-39012