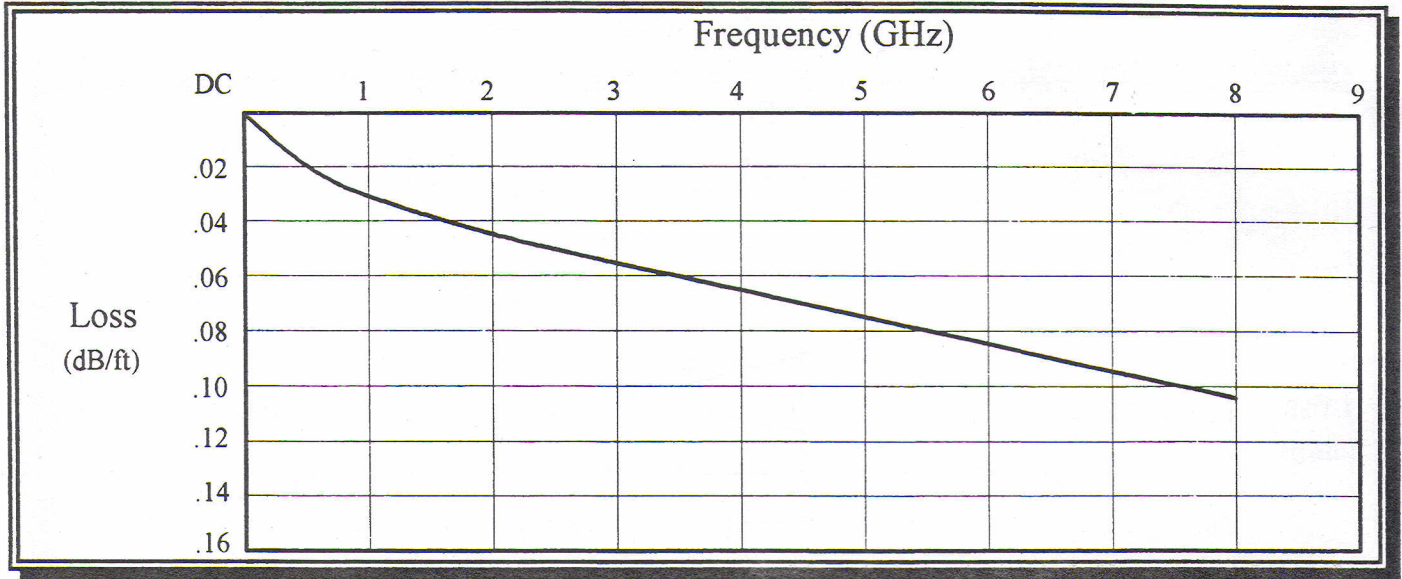
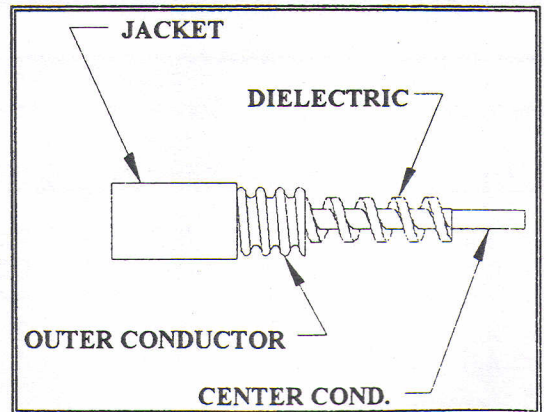


S452 Flexible Coaxial Cable
 8 GHz Cable

Frequency vs. Attenuation



Frequency (GHz)	Typical Insertion Loss (**) (dB/ft)	Precision Connector Maximum VSWR	Non Precision Connector Maximum VSWR	Average Power @ 40°C (kW)
0.1	0.0093	1.10:1	1.20:1	2.10
0.5	0.022	1.10:1	1.20:1	0.82
1.0	0.031	1.10:1	1.20:1	0.55
2.0	0.045	1.15:1	1.25:1	0.38
3.0	0.055	1.20:1	1.30:1	0.29
4.0	0.066	1.25:1	1.35:1	0.25
5.0	0.074	1.30:1	1.40:1	0.22
6.0	0.083	1.35:1	1.45:1	0.19
7.0	0.092	1.35:1	1.45:1	0.17
8.0	0.105	1.40:1	1.50:1	0.15



** - Includes precision connector losses

Electrical Characteristics:

Nominal Impedance: 50Ω
 Velocity of Propagation: 90 %
 Effective Dielectric Constant: 1.23
 Time Delay: 1.13 ns/ft
 Shielding Effectiveness: -90 dBc min.
 Dielectric Withstanding Voltage: 5.0 KV
 (@ 60 Hz, Sea Level/25°C)
 Nominal Capacitance: 24 pF/ft
 Maximum Frequency: 9 GHz

Physical Characteristics:

Center Conductor: Cu clad aluminum wire
 Per ASTM-B-566-72
 Dielectric: Air with spiral wound polyethylene
 Outer Conductor: Seamless, corrugated copper
 0.484" O.D. nominal
 Jacket Type: Polyethylene (Black)
 Jacketed O.D.: 0.585" O.D. nominal
 Minimum Internal Bend Radius: 5.5 inches
 Operating Temperature: -55°C to +80°C
 Weight per foot: 0.182 lbs.
 Connector Interface: Per MIL-C-39012