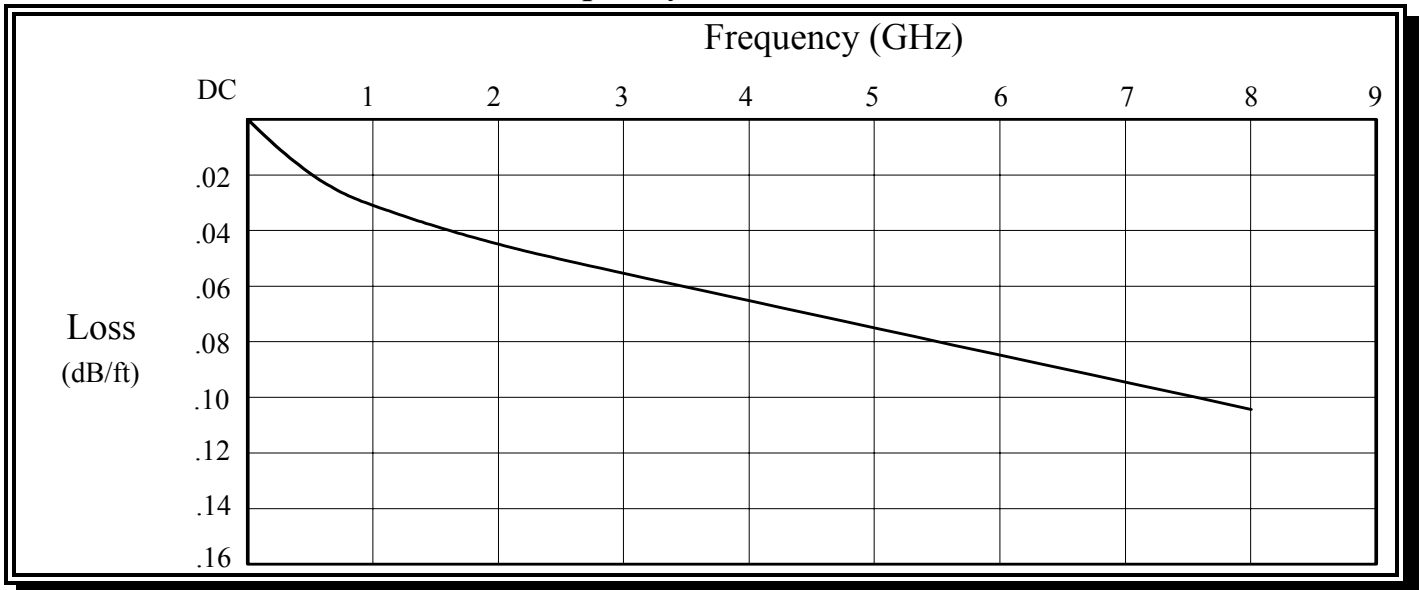
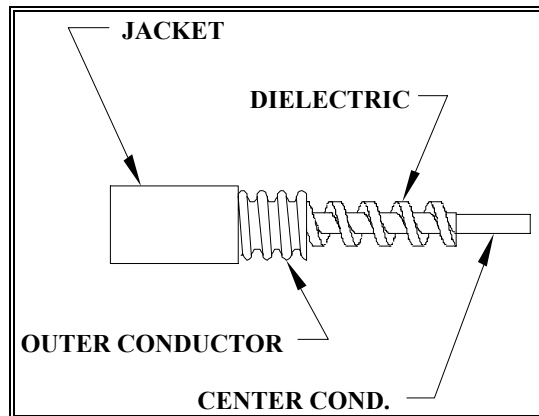


S452 Flexible Coaxial Cable
8 GHz Cable

Frequency vs. Attenuation



Frequency (GHz)	Typical Insertion Loss (dB/ft)	Typical Connector Loss (dB)	Average Power @ 40°C (kW)
0.1	0.0075	0.01	2.10
0.5	0.017	0.02	0.82
1.0	0.025	0.02	0.55
2.0	0.039	0.03	0.38
3.0	0.048	0.04	0.29
4.0	0.057	0.04	0.25
5.0	0.062	0.05	0.22
6.0	0.070	0.06	0.19
7.0	0.075	0.06	0.17
8.0	0.080	0.07	0.15



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.