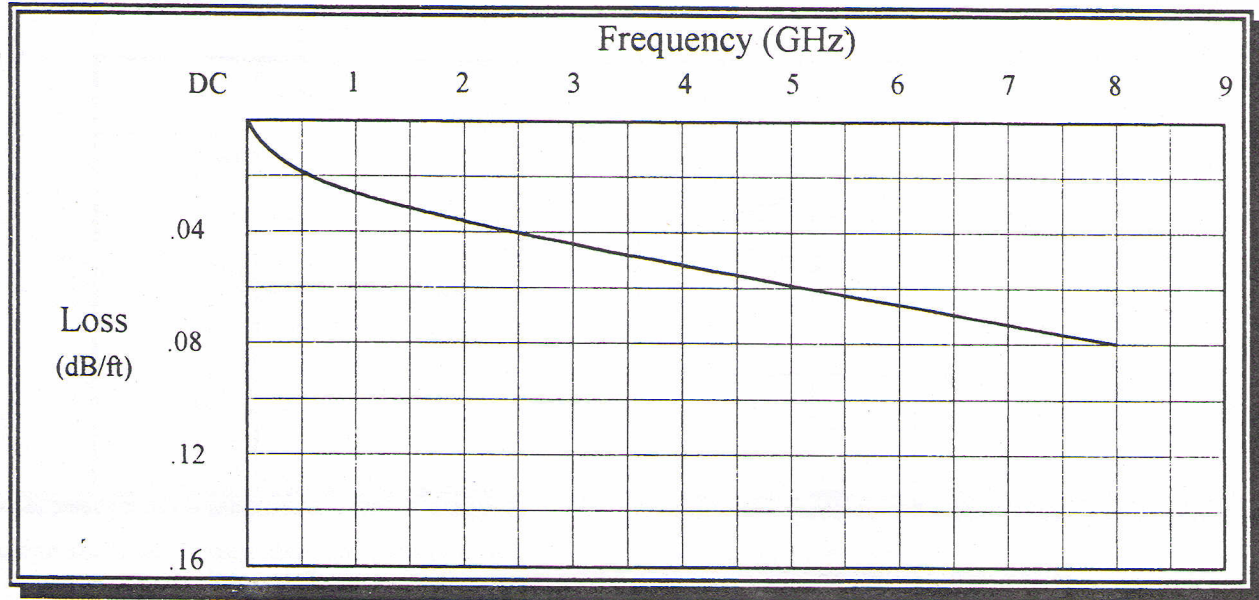


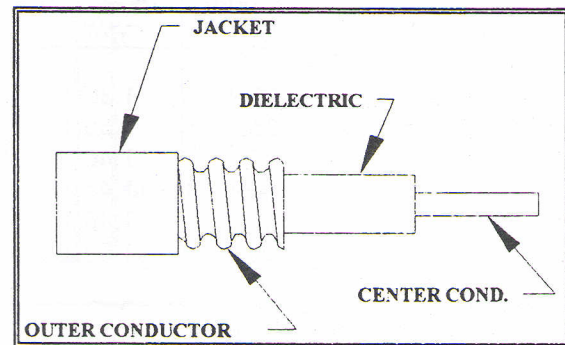


S472 Flexible Coaxial Cable 8 GHz Cable

Frequency vs. Attenuation



Frequency (GHz)	Typical Insertion Loss (dB/ft)	Typical Connector Loss (dB/each)	Average Power at 40°C (kW)
0.03	0.0037	0.02	5.00
0.4	0.014	0.02	1.30
1.0	0.023	0.02	0.80
2.0	0.034	0.03	0.55
4.0	0.058	0.04	0.37
6.0	0.065	0.06	0.28
8.0	0.080	0.07	0.24



Electrical Characteristics:

Nominal Impedance: 50Ω
 Velocity of Propagation: 88%
 Effective Dielectric Constant: 1.28
 Time Delay: 1.15 ns/ft
 Shielding Effectiveness: -110 dBc min.
 Dielectric Withstanding Voltage: 5.0 KV
 (@ 60 Hz, Sea Level/25°C)
 Nominal Capacitance: 24 pF/ft
 Maximum Frequency: 8 GHz

Physical Characteristics:

Center Conductor: Solid, copper clad aluminum
 Dielectric: Closed cell polyethylene foam
 Outer Conductor: Seamless, corrugated copper
 0.547" nominal O.D.
 Jacket: Black polyethylene, 0.640" nominal O.D.
 Minimum Internal Bend Radius: 5.0 inches
 Operating Temperature: -40°C to +85°C
 Weight per Foot: 0.165 lbs.
 Connector Interface: Per MIL-C-39012