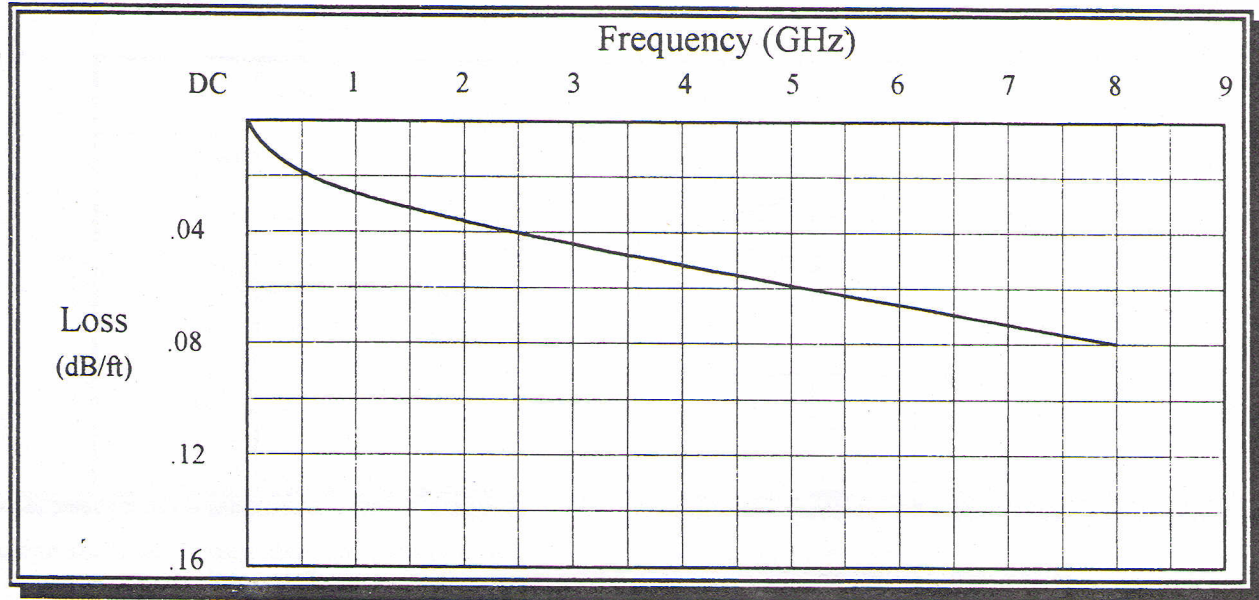


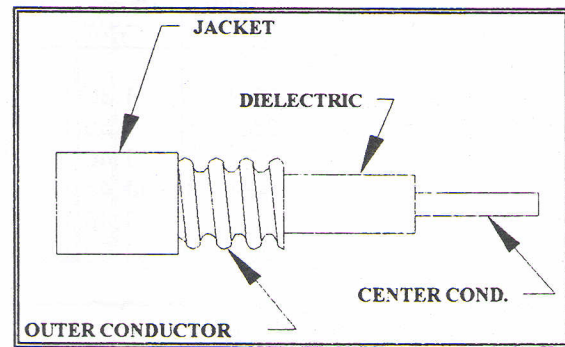


S472 Flexible Coaxial Cable 8 GHz Cable

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