

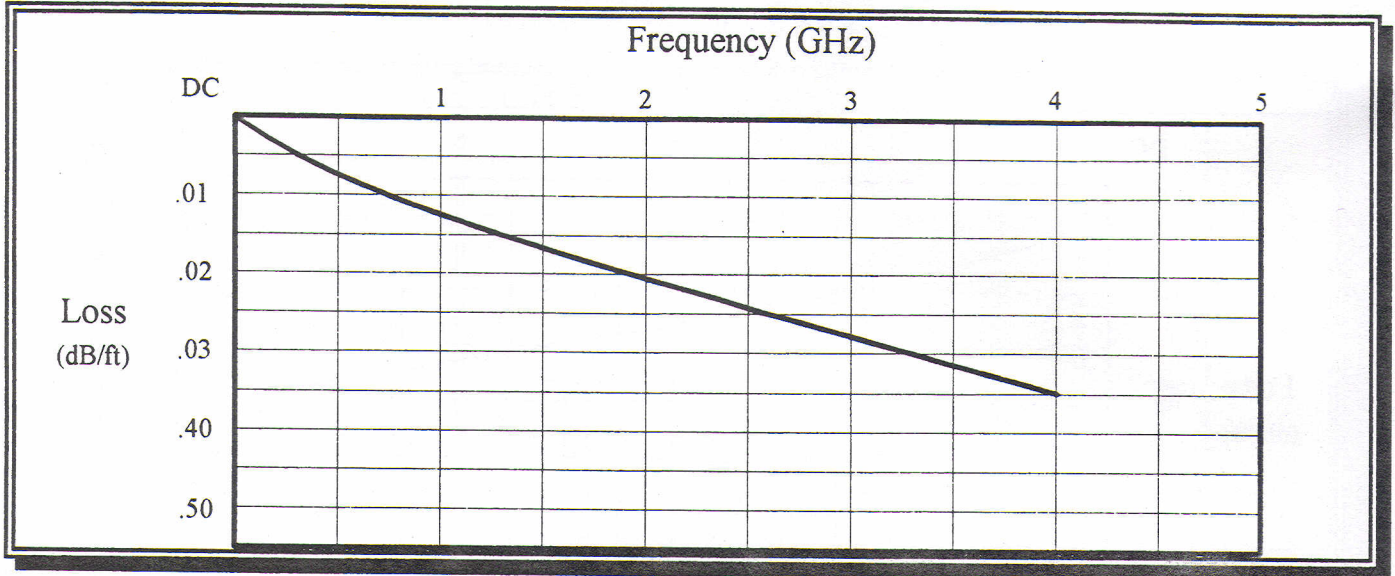
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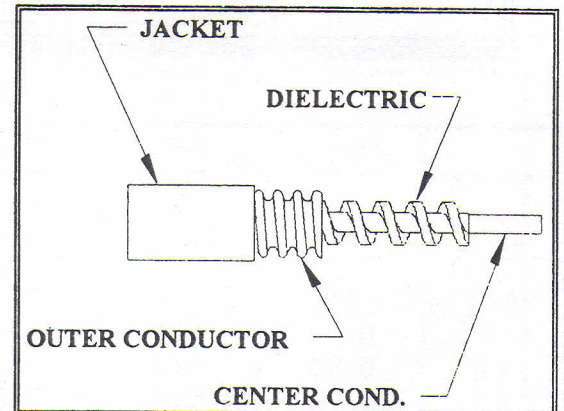


S652 Flexible Coaxial Cable
5 GHz Cable

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	0.0041	1.20:1	1.30:1	6.70
0.5	0.0095	1.25:1	1.35:1	2.55
1.0	0.014	1.30:1	1.40:1	1.80
2.0	0.021	1.35:1	1.45:1	1.15
3.0	0.028	1.35:1	1.45:1	0.89
4.0	0.035	1.40:1	1.50:1	0.75



** - 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: 6.0 KV
(@ 60 Hz, Sea Level/25°C)
Nominal Capacitance: 24 pF/ft
Maximum Frequency: 5 GHz

Physical Characteristics:

Center Conductor: Copper tube
Dielectric: Air with spiral wound polyethylene
Outer Conductor: Seamless, corrugated copper
1.00" O.D. nominal
Jacket Type: Polyethylene (Black)
Jacketed O.D.: 1.10" O.D. nominal
Minimum Internal Bend Radius: 10.5 inches
Operating Temperature: -55°C to +80°C
Weight per foot: 0.560 lbs.
Connector Interface: Per MIL-C-39012