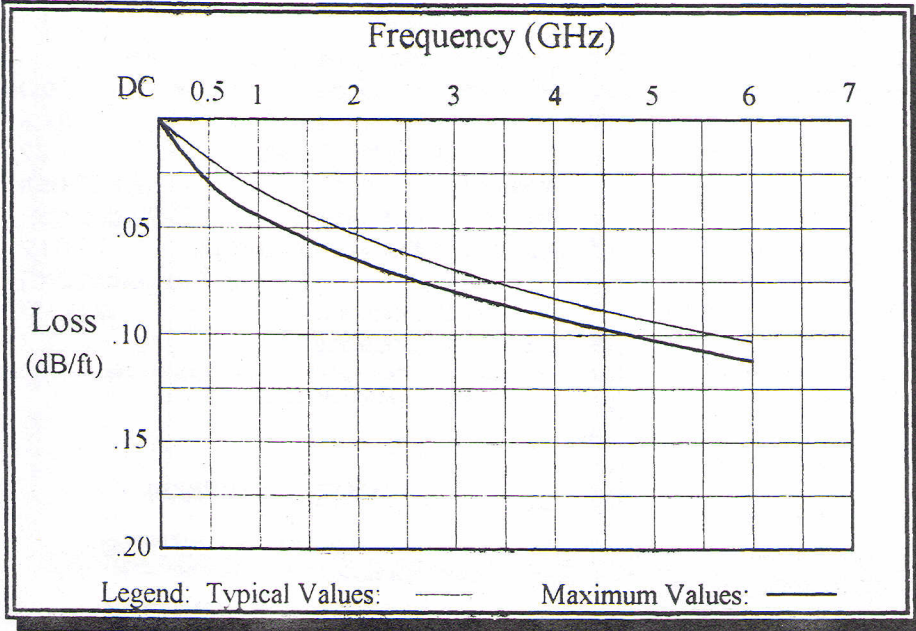




**FC645 Flexible Coaxial Cable**  
 6 GHz cable

**Frequency vs. Attenuation**

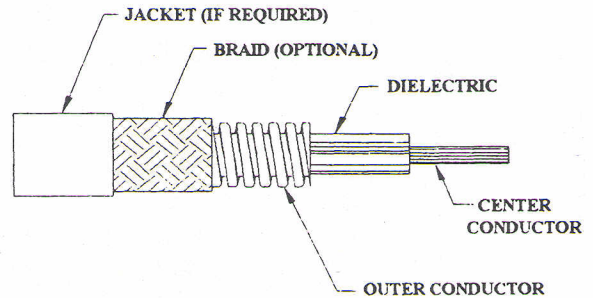


**Electrical Characteristics:**

- Nominal Impedance: 50Ω
- Velocity of Propagation: 80%
- Effective Dielectric Constant: 1.56
- Time Delay: 1.27 ns/ft
- Shielding Effectiveness: -90 dBc min.
- Dielectric Withstanding Voltage: 5.0 KV
- Nominal Capacitance: 26 pF/ft
- Maximum Frequency: 6 GHz

For phase and other electrical characteristics, please consult the appropriate section of catalog.

Frequency (GHz)	Maximum Insertion Loss (**) (dB/ft)	Typical Insertion Loss (**) (dB/ft)	Precision Connector Maximum VSWR	Non Precision Connector Maximum VSWR
0.5	0.03	0.02	1.10:1	1.20:1
1.0	0.04	0.03	1.15:1	1.25:1
2.0	0.07	0.06	1.20:1	1.30:1
3.0	0.08	0.07	1.25:1	1.35:1
4.0	0.09	0.08	1.30:1	1.40:1
5.0	0.11	0.10	1.35:1	1.45:1
6.0	0.12	0.11	1.35:1	1.45:1



**Physical Characteristics:**

- Center Conductor: Stranded SPC per ASTM-B8
- Dielectric: PTFE per L-P-403
- Outer Conductor: Strip wound oxygen free 1.040" max. O.D.
- Minimum Internal Bend Radius: 6.5 inches
- \*\* - Includes precision connector losses
- Weight per Foot (unjacketed): 0.67 lbs
- Connector Interface: Per MIL-C-39012

**Optional Jacketing and Braid:**

- Polyolefin per MIL-I-23053/5: 1.10" max. O.D.
- Neoprene per MIL-I-23053/1: 1.12" max. O.D.
- FEP per MIL-I-23053/11: 1.08" max. O.D.
- Braid: Bronze per UNS C22000, 1.10" max. O.D.

Others available, please consult factory.