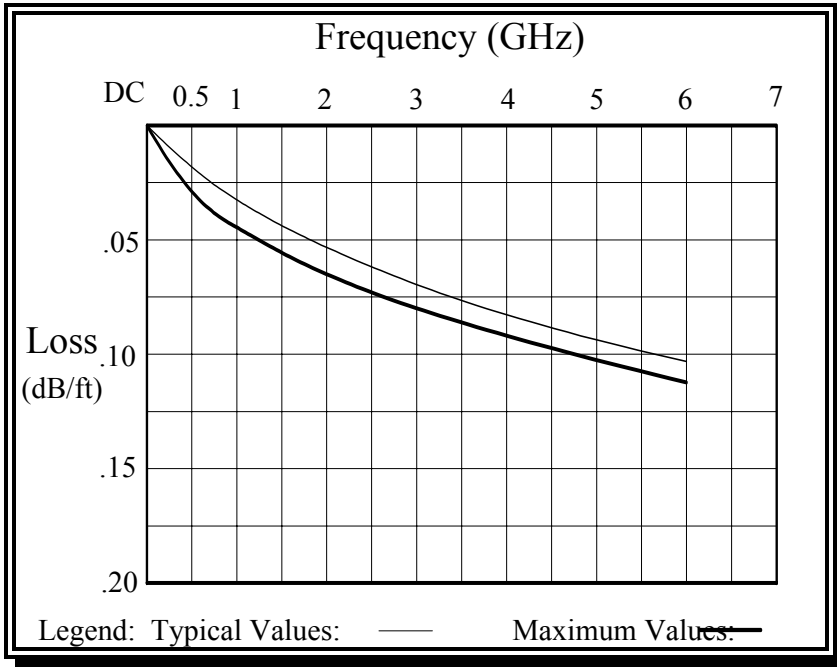


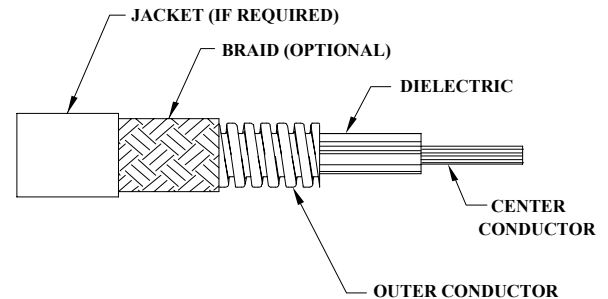
FC645 Flexible Coaxial Cable 6 GHz cable

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
(@ 60 Hz, Sea Level/25°C)
 - Nominal Capacitance: 26 pF/ft
 - Maximum Frequency: 6 GHz
- For phase and other electrical characteristics, please consult the appropriate section of catalog.



Physical Characteristics:

- Center Conductor: Stranded SPC per ASTM-B8 or B298
- Dielectric: PTFE per ASTM D4895
- Outer Conductor: Strip wound oxygen free copper per UNS C10201.040" max. O.D.
- Minimum Internal Bend Radius: 6.5 inches
- Operating Temperature: -60°C to +175°C
- Weight per Foot (unjacketed): 0.67 lbs

Optional Jacketing and Braid:

- Polyolefin per AMS-DTL-23053/5: 1.10" max. O.D.
 - Neoprene per AMS-DTL-23053/1: 1.12" max. O.D.
 - FEP per AMS-DTL-23053/11: 1.08" max. O.D.
 - Braid: Bronze per UNS C22000, 1.10" max. O.D.
- Others available, please consult factory.

Frequency (GHz)	Typical Insertion Loss (dB/ft)	Typical Insertion Loss (**)(dB/ft)	Max. VSWR (precision connector)	Max. VSWR (non precision and angle connector)
0.5	0.02	0.02	1.10:1	1.20:1
1.0	0.03	0.03	1.15:1	1.25:1
2.0	0.04	0.06	1.20:1	1.30:1
3.0	0.05	0.07	1.25:1	1.35:1
4.0	0.06	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

** - Includes connector losses