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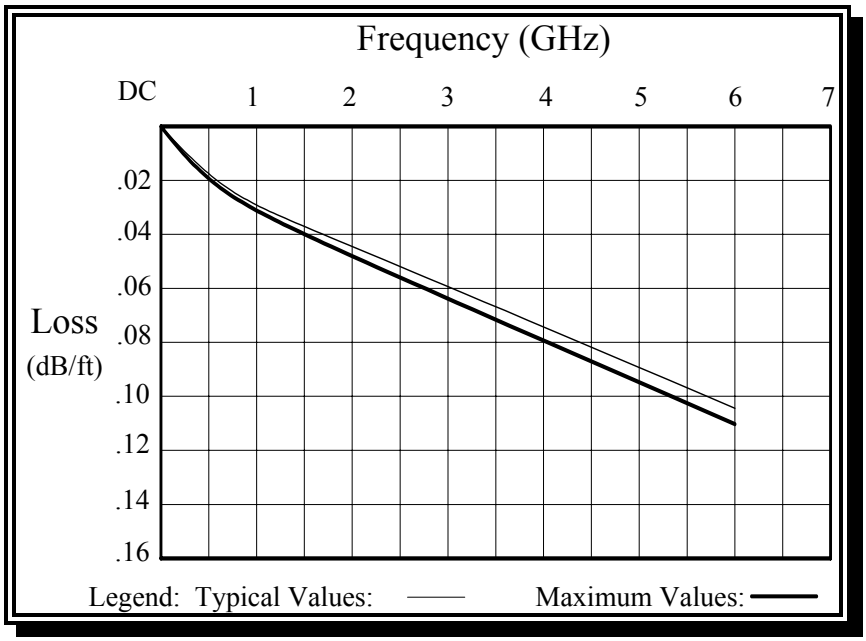
FC659 Flexible Coaxial Cable

6 GHz Cable

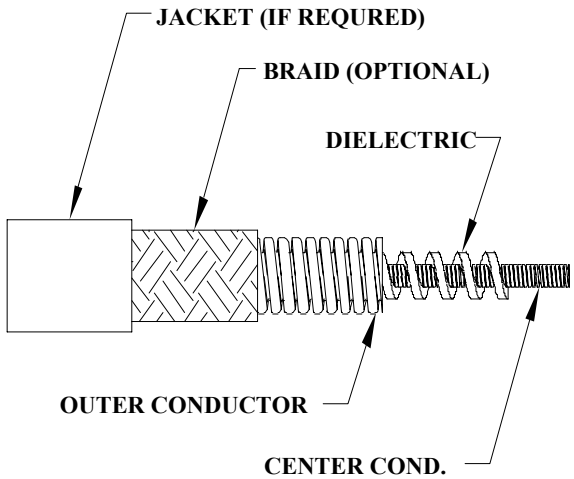
Frequency vs. Attenuation



Electrical Characteristics:

Nominal Impedance:	50Ω
Velocity of Propagation:	87%
Effective Dielectric Constant:	1.32
Time Delay:	1.17 ns/ft
Shielding Effectiveness:	-90 dBc min.
Dielectric Withstanding Voltage:	10.0 KV
	(@ 60 Hz, Sea Level/25°C)
Nominal Capacitance:	24 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)	Max. VSWR (precision connector)	Max. VSWR (non precision or angle connector)
0.2	0.015	0.014	1.10:1	1.20:1
0.4	0.022	0.021	1.10:1	1.20:1
0.8	0.029	0.027	1.10:1	1.20:1
1.0	0.035	0.033	1.15:1	1.25:1
2.0	0.046	0.043	1.20:1	1.30:1
3.0	0.063	0.059	1.25:1	1.35:1
4.0	0.073	0.067	1.30:1	1.40:1
5.0	0.100	0.094	1.35:1	1.45:1
6.0	0.110	0.104	1.35:1	1.45:1

** - Includes connector losses

Physical Characteristics:

Center Conductor:	Corrugated Tubular Copper
Dielectric:	Air with spiral wound PTFE
Outer Conductor:	Strip wound oxygen free copper per UNS C10200, 1.040" max. O.D.
Minimum Internal Bend Radius:	6.5 inches
Operating Temperature:	-60°C to +175°C
Weight per Foot (unjacketed):	0.75 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.
Braid:	Bronze per UNS C22000, 1.10" max. O.D.

Others available, please consult factory.