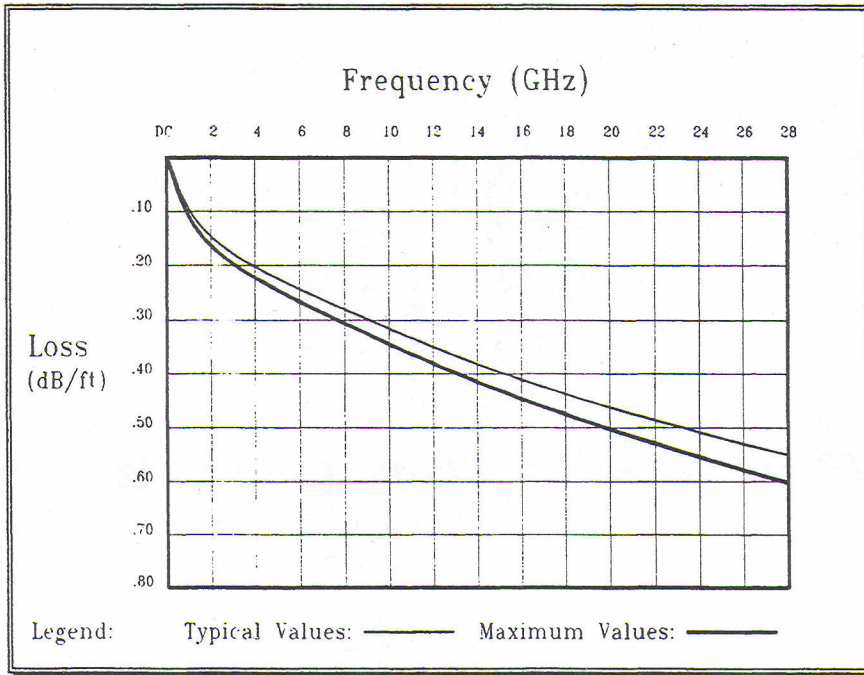




**NEW! FC105 Flexible Coaxial Cable**  
26.5 GHz Cable

**Frequency vs. Attenuation**

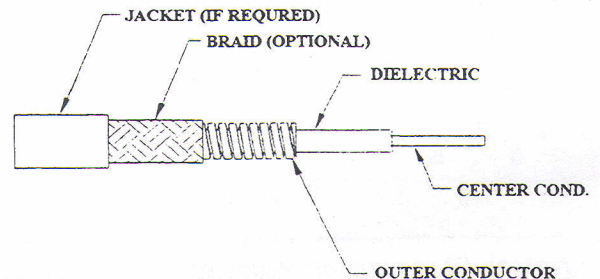


**Electrical Characteristics:**

Nominal Impedance:	50Ω
Velocity of Propagation:	83%
Effective Dielectric Constant:	1.45
Time Delay:	1.22 ns/ft
Shielding Effectiveness:	-90 dBc min.
Dielectric Withstanding Voltage:	3.0 KV (@ 60 Hz Sea Level/25°C)
Nominal Capacitance:	26.7 pF/ft
Maximum VSWR:	
Precision Straight Connectors	
DC - <4 GHz	1.10:1
4 GHz - <8 GHz	1.15:1
8 GHz - <18 GHz	1.25:1
18 GHz - 26.5 GHz	1.35:1
Non-Precision or Angle connectors:	
DC - <4 GHz	1.20:1
4 GHz - <8 GHz	1.30:1
8 GHz - <18 GHz	1.40:1
18 GHz - 26.5 GHz	1.50:1
Maximum Frequency:	26.5 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)	Loss per precision connector (dB)	Loss per non precision or angle connect. (dB)
0.50	0.04	0.03	0.02	0.03
1.00	0.11	0.10	0.03	0.03
2.00	0.16	0.14	0.04	0.05
4.00	0.22	0.20	0.04	0.06
6.00	0.26	0.24	0.05	0.09
8.00	0.30	0.28	0.06	0.11
10.00	0.34	0.32	0.07	0.12
12.00	0.37	0.35	0.08	0.13
14.00	0.41	0.38	0.09	0.14
16.00	0.43	0.40	0.10	0.15
18.00	0.48	0.44	0.11	0.17
22.00	0.52	0.48	0.13	0.20
24.00	0.55	0.50	0.14	0.25
26.50	0.59	0.54	0.15	0.30



**Physical Characteristics:**

Center Cond.:	Stranded SPC
Dielectric:	Expanded PTFE Tape
Outer Conductor:	Convuluted oxygen free copper per UNS C10200, 0.216" max. O.D.
Minimum Internal Bend Radius:	0.5 inches
Operating Temperature:	-60°C to +175°C
Weight per Foot (unjacketed):	0.040 lbs.

**Optional Jacketing and Braid:**

Polyolefin per MIL-I-23053/5:	0.250" max. O.D.
Neoprene per MIL-I-23053/1:	0.285" max. O.D.
FEP per MIL-I-23053/11:	0.240" max. O.D.
Braid: Bronze per UNS C22000:	0.250" max. O.D.
Others available, please consult factory.	