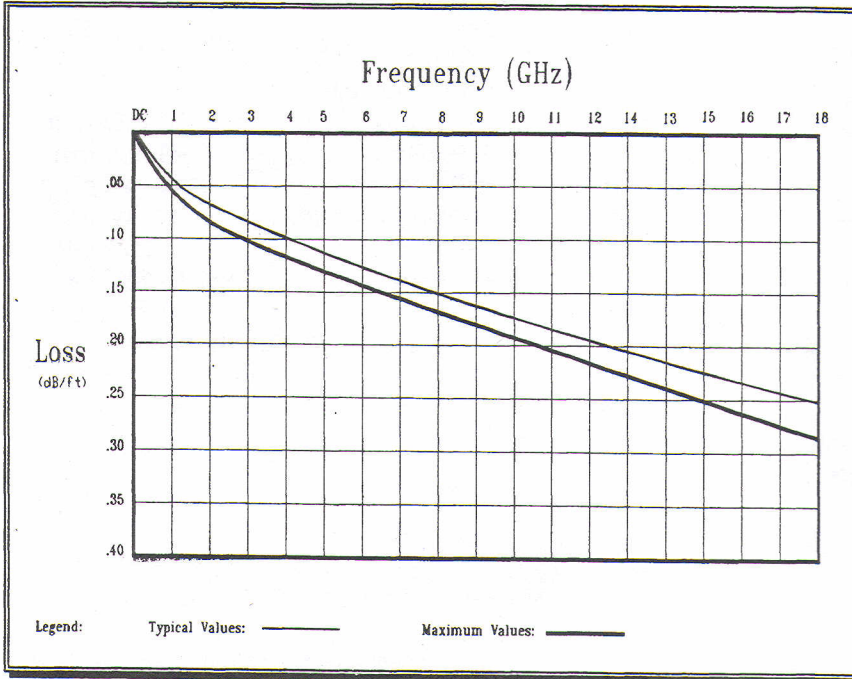




NEW! FCL02 Flexible Coaxial Cable
 18 GHz Cable

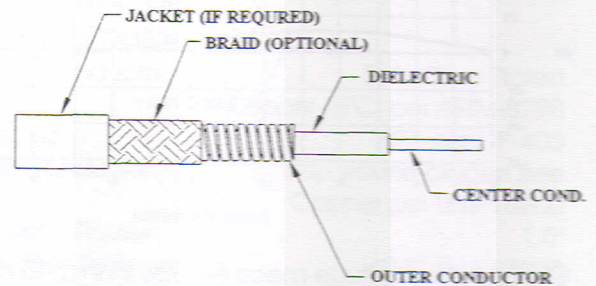
Frequency vs. Attenuation



Electrical Characteristics:

- Nominal Impedance: 50Ω
- Velocity of Propagation: 83.5%
- Effective Dielectric Constant: 1.43
- Time Delay: 1.21 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
- 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
- Maximum Frequency: 18 GHz
- Phase Stability v. Flex. - 18 GHz: 4 deg.
- Phase Stability v. Temperature: 6ppm/°C

Frequency (GHz)	Maximum Insertion Loss (dB/ft)	Typical Insertion Loss (dB/ft)	Precision Connector Loss (dB)	Non Precision Connector Loss (dB)
0.50	0.02	0.01	0.02	0.03
1.00	0.05	0.04	0.03	0.03
2.00	0.08	0.07	0.04	0.05
4.00	0.12	0.10	0.04	0.06
6.00	0.14	0.12	0.05	0.09
8.00	0.17	0.15	0.06	0.11
10.00	0.18	0.16	0.07	0.12
12.00	0.21	0.18	0.08	0.13
14.00	0.23	0.20	0.09	0.14
16.00	0.26	0.23	0.10	0.15
18.00	0.28	0.25	0.11	0.17



Physical Characteristics:

- Center Cond.: Solid SPC per ASTM -B298
- Dielectric: Expanded PTFE
- Outer Conductor: Strip wound oxygen free copper per UNS C10200, 0.315" max. O.D.
- Minimum Internal Bend Radius: 1.5 inches
- Operating Temperature: -60°C to +175°C
- Weight per Foot (unjacketed): 0.080 lbs

Optional Jacketing and Braid:

- Polyolefin per MIL-I-23053/5: 0.350" max. O.D.
- Neoprene per MIL-I-23053/1: 0.385" max. O.D.
- FEP per MIL-I-23053/11: 0.340" max. O.D.
- Braid: Bronze per UNS C22000, 0.350" max. O.D.
- Others available, please consult factory.