

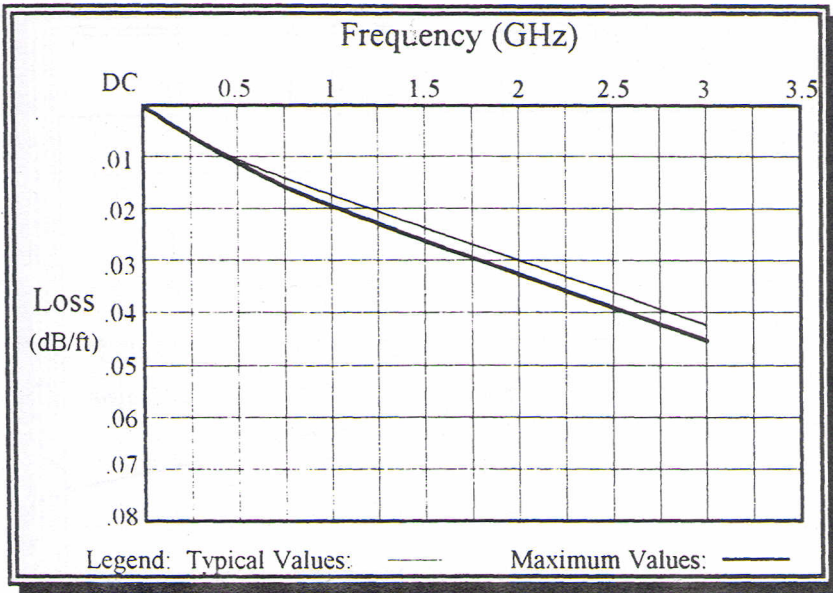
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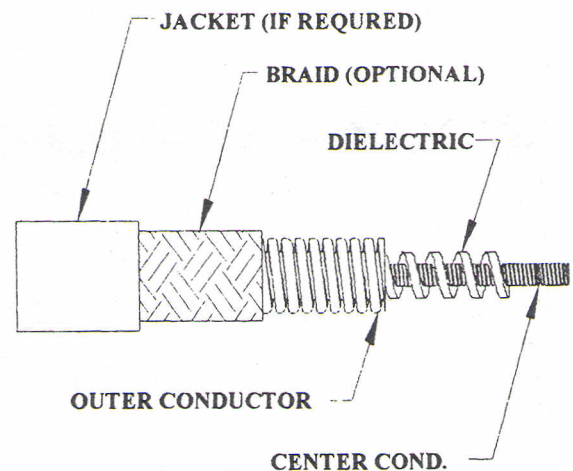
FC759 Flexible Coaxial Cable
3 GHz Cable

Frequency vs. Attenuation



Electrical Characteristics:

Nominal Impedance: 50Ω
Velocity of Propagation: 88%
Effective Dielectric Constant: 1.29
Time Delay: 1.15 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: 3 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
0.2	0.0055	0.0052	1.15:1	1.25:1
0.4	0.009	0.008	1.20:1	1.30:1
0.8	0.017	0.016	1.25:1	1.35:1
1.0	0.020	0.019	1.30:1	1.40:1
2.0	0.033	0.031	1.35:1	1.45:1
3.0	0.045	0.042	1.35:1	1.45:1

Physical Characteristics:

Center Conductor: Corrugated Tubular Copper
Dielectric: Air with spiral wound PTFE
Outer Conductor: Strip wound oxygen free Cu per UNS10200, 1.9" max. O.D.
Minimum Internal Bend Radius: 5 inches
Operating Temperature: -60°C to +175°C
Weight per Foot (unjacketed): 1.078 lbs.
Connector Interface: Per MIL-C-39012

Optional Jacketing and Braid:

Polyolefin per MIL-I-23053/5: 1.96" max. O.D.
Neoprene per MIL-I-23053/1: 1.98" max. O.D.
FEP per MIL-I-23053/11: 1.93" max. O.D.
Braid: Bronze per UNS C22000, 1.96" max. O.D.
Others available, please consult factory.