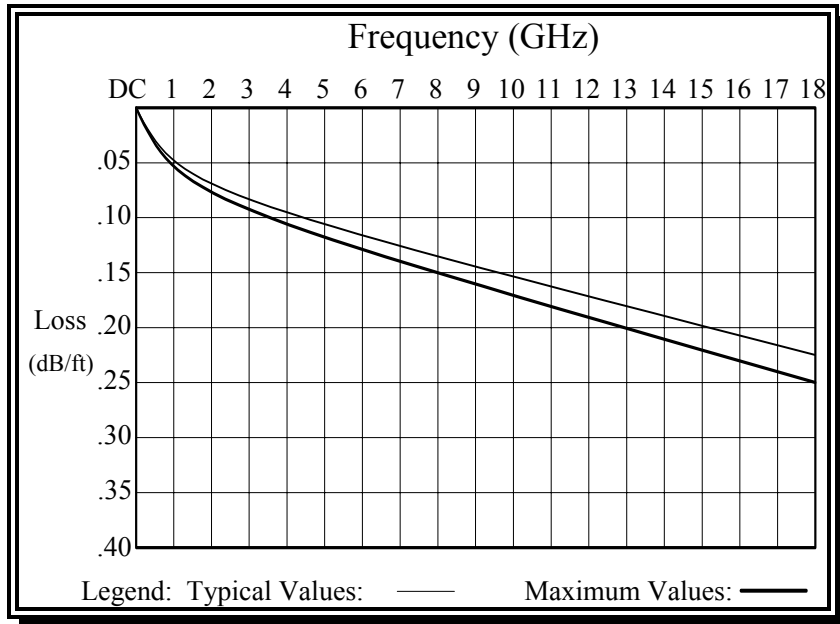




FC392 Flexible Coaxial Cable 18 GHz Cable

Frequency vs. Attenuation



Electrical Characteristics:

Nominal Impedance: 50Ω
 Velocity of Propagation: 88.5%
 Effective Dielectric Constant: 1.28
 Time Delay: 1.15 ns/ft
 Shielding Effectiveness: -90 dBc min.
 Dielectric Withstanding Voltage: 3.0 KV
 (@ 60 Hz, Sea Level/25°C)
 Nominal Capacitance: 25 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

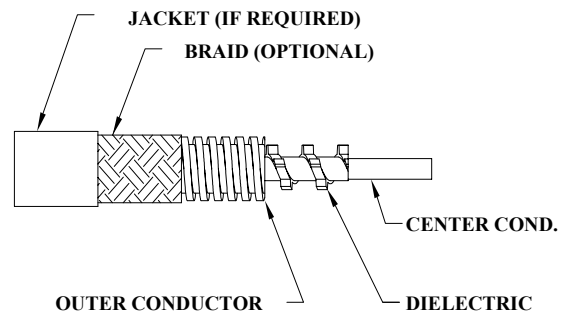
Non-Precision or Angle connectors:

DC - <4 GHz	1.20:1
4 GHz - <8 GHz	1.30:1
8 GHz - 18 GHz	1.40:1

Maximum Frequency: 18 GHz

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)
0.04	0.008	0.006	0.01	0.02
0.10	0.016	0.014	0.02	0.03
0.30	0.021	0.018	0.02	0.03
0.50	0.035	0.032	0.02	0.03
1.0	0.055	0.048	0.02	0.03
2.0	0.075	0.064	0.03	0.05
3.0	0.095	0.082	0.04	0.06
4.0	0.110	0.096	0.04	0.06
5.0	0.125	0.109	0.05	0.08
6.0	0.135	0.120	0.06	0.09
7.0	0.150	0.133	0.06	0.09
8.0	0.160	0.143	0.07	0.11
9.0	0.170	0.154	0.07	0.11
10.0	0.180	0.162	0.08	0.12
11.0	0.190	0.170	0.08	0.12
12.0	0.200	0.183	0.08	0.12
13.0	0.210	0.188	0.09	0.14
14.0	0.220	0.198	0.09	0.14
15.0	0.225	0.204	0.10	0.15
16.0	0.235	0.212	0.10	0.15
17.0	0.245	0.220	0.11	0.17
18.0	0.250	0.230	0.11	0.17



Physical Characteristics:

Center Conductor: Solid SPC per ASTM-B298
 Dielectric: PTFE per ASTM D4895
 Outer Conductor: Strip wound oxygen free copper per UNS C10200, 0.375" max. O.D.
 Minimum Internal Bend Radius: 1.5 inches
 Operating Temperature: -60°C to +175°C
 Weight per Foot (unjacketed): 0.107 lbs

Optional Jacketing and Braid:

Polyolefin per AMS-DTL-23053/5: 0.420" max. O.D.
 Neoprene per AMS-DTL-23053/1: 0.450" max. O.D.
 FEP per AMS-DTL-23053/11: 0.405" max. O.D.
 Braid: Bronze per UNS C22000, 0.420" max. O.D.
 Others available, please consult factory.