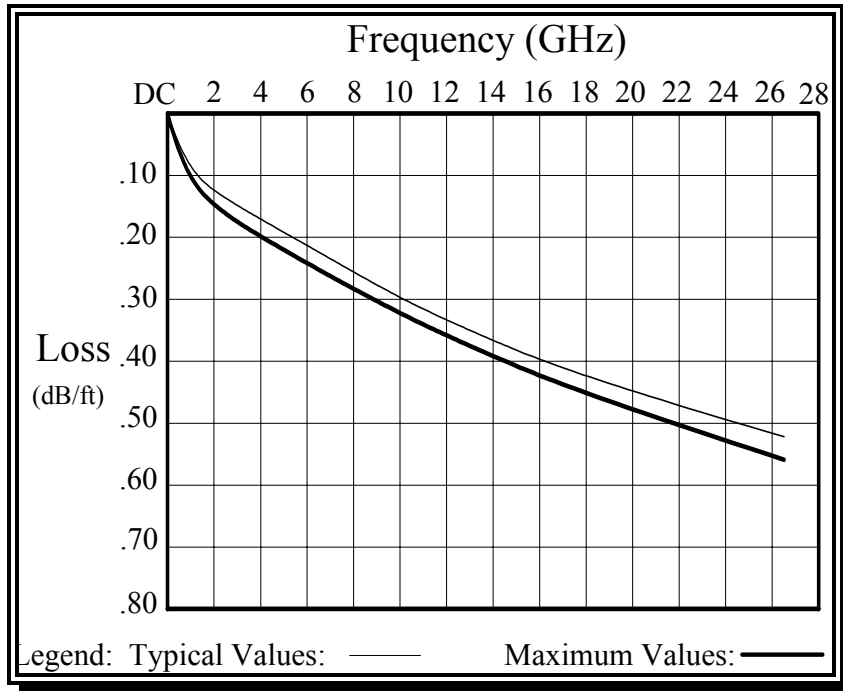


FC102 Flexible Coaxial Cable 26.5 GHz Cable

Frequency vs. Attenuation

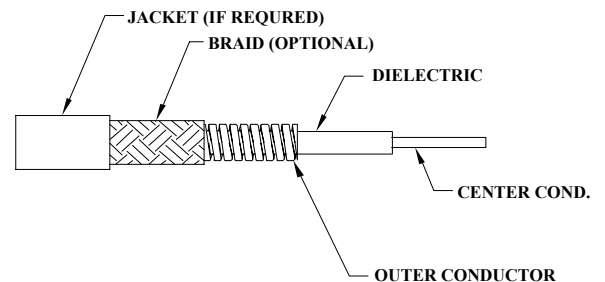


Electrical Characteristics:

Nominal Impedance:	50Ω
Velocity of Propagation:	76.5%
Effective Dielectric Constant:	1.71
Time Delay:	1.33 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	0.07	0.06	0.02	0.03
1.00	0.10	0.09	0.03	0.03
2.00	0.14	0.12	0.04	0.05
4.00	0.19	0.17	0.04	0.06
6.00	0.23	0.21	0.05	0.09
8.00	0.27	0.25	0.06	0.11
10.00	0.32	0.30	0.07	0.12
12.00	0.35	0.33	0.08	0.13
14.00	0.38	0.36	0.09	0.14
16.00	0.42	0.39	0.10	0.15
18.00	0.45	0.42	0.11	0.17
22.00	0.48	0.44	0.13	0.20
24.00	0.52	0.48	0.14	0.25
26.50	0.55	0.51	0.15	0.30



Physical Characteristics:

Center Cond.:	Solid SPC per ASTM -B298
Dielectric:	Expanded PTFE
Outer Conductor:	Strip wound oxygen free copper per
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 AMS-DTL-23053/5: 0.250" max. O.D.
 Neoprene per AMS-DTL -23053/1: 0.285" max. O.D.
 FEP per AMS-DTL -23053/11: 0.240" max. O.D.
 Braid: Bronze per UNS C22000, 0.250" max. O.D.
 Others available, please consult factory.