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TECHNOLOGY GROUP

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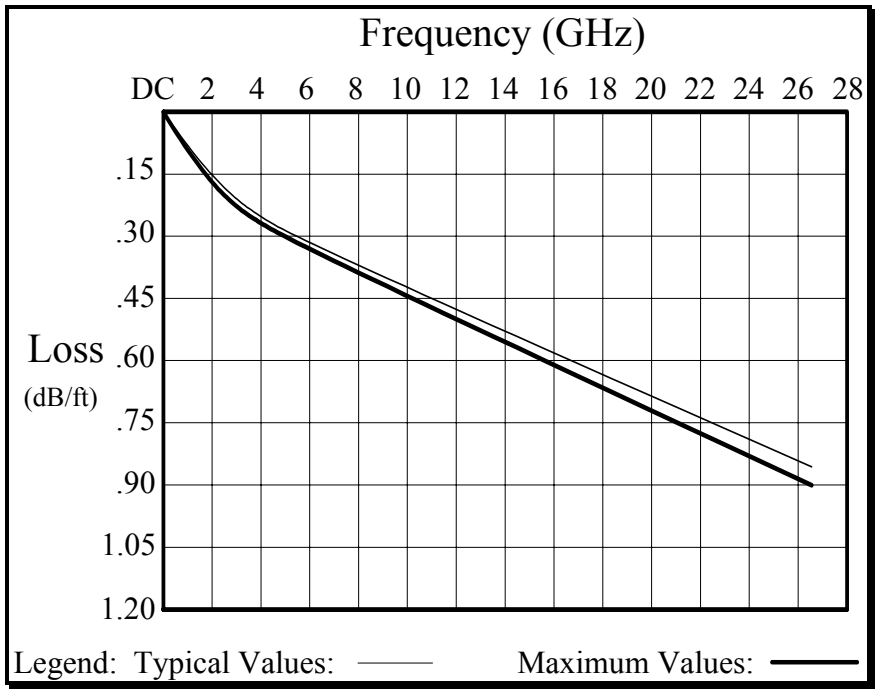
Flexco Microwave, Inc.

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Telephone 908-850-5800 Fax 908-850-5250
http://www.FlexcoMW.com email: sales@flexcomw.com

FC195 Flexible Coaxial Cable

26.5 GHz Cable

Frequency vs. Attenuation

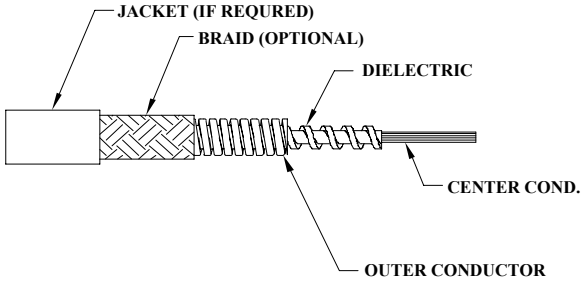


Electrical Characteristics:

Nominal Impedance:	50Ω
Velocity of Propagation:	74%
Effective Dielectric Constant:	1.83
Time Delay:	1.37 ns/ft
Shielding Effectiveness:	-90 dBc min.
Dielectric Withstanding Voltage:	3.0 KV
	(@ 60 Hz Sea Level/25°C)
Nominal Capacitance:	28 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)
0.10	0.05	0.05	0.01	0.02
0.25	0.07	0.07	0.02	0.03
0.50	0.09	0.08	0.02	0.03
0.75	0.10	0.09	0.03	0.03
1.00	0.13	0.12	0.03	0.03
2.00	0.19	0.18	0.04	0.05
3.00	0.22	0.20	0.04	0.06
4.00	0.28	0.26	0.04	0.06
6.00	0.35	0.33	0.05	0.09
8.00	0.40	0.38	0.06	0.11
10.00	0.46	0.43	0.07	0.12
12.00	0.50	0.47	0.08	0.13
14.00	0.56	0.53	0.09	0.14
16.00	0.63	0.59	0.10	0.15
18.00	0.69	0.64	0.11	0.17
22.00	0.79	0.74	0.13	0.20
24.00	0.84	0.79	0.14	0.25
26.50	0.90	0.84	0.15	0.30



Physical Characteristics:

Center Cond.:	Stranded SPC per ASTM B8
Dielectric:	PTFE per ASTM D4895
Outer Conductor:	Strip wound oxygen free copper per UNS C10200, 0.210" max. O.D.
Minimum Internal Bend Radius:	0.5 inches
Operating Temperature:	-60°C to +175°C
Weight per Foot (unjacketed):	0.040 lbs
Connector Interface:	Per MIL-STD-348

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.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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