



Center Conductor	.0883"	Silver Plated Copper	
Dielectric	.241"	Expanded PTFE	
Inner Shield	.255"	Helical Foil	
Outer Braid	.273"	Silver Plated Copper Braid	
Jacket	.360"	Black Polyurethane	

Mechanical Characteristics

2.0" nominal -55° to +85° C Inside Minimum Bend Radius Max Operating Temperature Weight 106.0-lbs/1000 ft

Electrical Characteristics

Characteristic Impedance: 50 Ohms nominal Velocity of Propagation: 82% nominal Capacitance: 25 pf/ft nominal Shielding: -90 dB minimum

Insertion Loss:

To calculate Insertion Loss for other Frequencies Use:

 $IL = .13134 \text{ x } \sqrt{\text{Freq*} + 0.0001341 \text{ x Freq*} (*MHz) } dB/100ft$

Freq. (GHz)	Attenuation dB/100ft	Average Power @ Sea level, 25°C (KW)
0.5	3.0	1.69
1	4.3	1.19
2	6.2	0.83
3	7.6	0.67
4	8.8	0.58
5	9.9	0.51
6	11.0	0.47
10	14.5	0.36
12	16.0	0.32
16	18.7	0.28
18	20.0	0.26

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