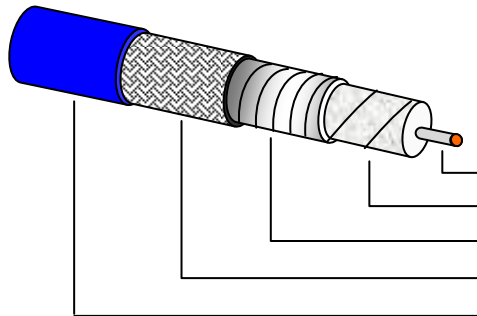




TIMES MICROWAVE SYSTEMS



Center Conductor	.054"	Silver Plated Copper
Dielectric	.146"	Expanded PTFE
Inner Shield	.154"	Helical Foil
Outer Braid	.172"	Silver Plated Copper Braid
Jacket	.192"	Blue FEP

Mechanical Characteristics

Inside Minimum Bend Radius	1.0" nominal
Max Operating Temperature	-55 ⁰ to +150 ⁰ C
Weight	40.0-lbs/1000 ft

Electrical Characteristics

Characteristic Impedance:	50 Ohms nominal
Velocity of Propagation:	83% nominal
Capacitance:	24.87 pf/ft nominal
Shielding:	-90 dB minimum
Insertion Loss:	0.35dB@18 GHz
To calculate Insertion Loss for other Frequencies Use:	
IL = .23837 x √ Freq*+0.0001671 x Freq*(MHz) dB/100ft	

Frequency MHz	Attenuation dB/100 ft	CW Power (kW) +25°C Ambient Sea Level
50	1.7	5.91
100	2.4	4.18
500	5.5	1.86
1000	7.8	1.31
2000	11.1	0.92
4000	15.9	0.65
6000	19.6	0.53
6500	20.0	0.51
10000	26.0	0.41
12000	28.0	0.37
16000	33.0	0.32
18000	35.0	0.30

Drawn by: E Pallanti Date: May 1, 2006 51881	TIMES MICROWAVE SYSTEMS Wallingford, CT. 06492-5039 CAGE 68999; (203) 949-8400
HF-190	Drawing No.: AA-9185
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