

Cable Construction

A.	Center Conductor:	0.037 +/001"Solid	Silver Plated Copper Clad Steel	
B.	Dielectric:	0.117 +/003"	Natural PTFE	
C.	First Shield:	0.128 nominal	Silver Plated Copper Strip (93% coverage)	
D.	Interlayer:	0.133 nominal	Metallized Composite Polyimide Tape	
E.	Second Shield:	0.161 max	36 Ga Silver Plated Copper (89% coverage)	
F.	Jacket:	0.195 +/005"Fluori	nated Ethylene Propylene	
Mechanical Characteristics				

Diameter Minimum Bend Radius (Static) Operating Temperature Weight 0.200" max 1.0" inches -55 to +200 degrees C 44.0 Lbs/1000 Ft

Electrical Characteristics

Maximum Frequency Characteristic Impedance Velocity of Propagation Capacitance Delay Shielding Insertion Loss 34.0 GHz 50 Ohms +/-2 69.4% nominal 29.4 pf/ft nominal 1.45 nsec/ft nominal -90 dB minimum See Chart

K1 = 0.348 X Sqrt Frequency (MHz) K2 = 0.00120 X Frequency (MHz)

Marking: Cable is identified with a polyimide tape under jacket "68999 TIMES MICROWAVE SYSTEMS" All tests are performed in accordance with Mil-C-17 (latest revision) unless otherwise specified.

dB/Ft	Frequency
0.036	100 MHz
0.074	400 MHz
0.122	1.0 GHz
0.470	10.0 GHz
0.630	16.0 GHz
0.760	21.0 GHz

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Revision: E	Drawing Number AA 2423
Unless specified all dimensions are in inches.	
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