

LTR	DESCRIPTION	DATE	BY
-	Released	1/28/94	JCL
C	Upgraded UL/CSA to CMR/MPR (PCC-FT4)	2/26/99	JCL
D	Added note 2	1/9/12	JCL

**I. CONSTRUCTION**

center conductor: Solid Bare Copper Clad Aluminum	.108 inches
dielectric: Gas Injected Foam Polyethylene	.285
shield: Aluminum-Polyester-Aluminum-Adhesive Tape	.291
: 34 GA Tinned Copper Braid (90%k)	.320
jacket: Black Low Smoke Low Toxicity FR Polyethylene (note 2)	.405

**II. ENVIRONMENTAL and MECHANICAL PROPERTIES**

weight:	104 pounds per 1000 feet
operating temperature:	-40°C to +85°C
minimum bend radius:	1 inch
flame & smoke:	UL/CSA Rated 'CMR/MPR' (PCC-FT4)

**III. ELECTRICAL PROPERTIES**

impedance:	50 ohms
capacitance:	23.9 pF per foot
velocity:	85 %
dc resistance (center conductor):	1.39 ohms per 1000 feet
(outer conductor):	1.65 ohms per 1000 feet
attenuation @	30 MHz: 0.7 dB per 100 feet
(typical)	50 MHz: 0.9 dB
	150 MHz: 1.5 dB
	220 MHz: 1.8 dB
	450 MHz: 2.7 dB
	900 MHz: 3.9 dB
	1500 MHz: 5.1 dB
	2000 MHz: 6.0 dB
	2500 MHz: 6.8 dB

**IV. NOTES**

- 1) All tests performed in accordance with MIL-C-17 (current issue).
- 2) Rated for indoor and outdoor applications.

Unless otherwise specified, dimensions are in inches. Tolerances are applicable when specified.

These drawings and specifications contain proprietary information which is the property of Times Microwave Systems.

Approvals		
Drawn	JCL	1/28/94



**TIMES MICROWAVE SYSTEMS**

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<b>LMR-400- FR</b>		
<b>Low Loss Flame Retardant</b>		
<b>High Performance Communications Coax</b>		
Size A	CAGE CODE <b>68999</b>	Drawing No.: <b>AA-8120</b>

MI-54030	Scale: NA	Rev. (D)	Sheet: 1 of 1
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