

THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1

LTR	DESCRIPTION	DATE	BY
--	Released	7/15/08	JCL
--A	Center Cond was SPCCS	6/3/2013	Ep
--B	CC was BCCST, Jacket was PVC	7/8/2013	Ep
--C	.0185 CC was .0213	8/13/2013	Ep

**I. CONSTRUCTION**

Center conductor: 7 Strand, Bare Copper	inches/mm
Dielectric: natural Polyethylene	.0185/0.47
Shield: Aluminum-Polyester Foil, Aluminum Facing Dielectric.100% coverage	.060/1.524
: 38 GA Double Tinned Copper Braid, 90% minimum coverage	.065/1.65
Jacket: Black Thermoplastic Rubber	.083/2.108
	.105 +/- .005" / 2.67+/-0.127

**II. ENVIRONMENTAL and MECHANICAL PROPERTIES**

weight: 15 pounds per 1000 feet  
operating temperature: -40°C to +85°C  
minimum bend radius: 1/4 inch (installation)

**III. ELECTRICAL PROPERTIES**

impedance: 50 ohms  
capacitance: 32.8 pF per foot  
velocity: 66 %  
attenuation @

30 MHz:	4.9 dB/100 feet
50 MHz:	5.9 dB/100 feet
150 MHz:	10.2 dB/100 feet
220 MHz:	12.5 dB/100 feet
450 MHz:	18.2 dB/100 feet
900 MHz:	26.2 dB/100 feet
1500 MHz:	34.5 dB/100 feet
2000 MHz:	40.3 dB/100 feet
2500 MHz:	46.0 dB/100 feet

**IV. NOTES**

1) All tests performed in accordance with MIL-C-17 (current issue).

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	Ep	7/8/2013



**TIMES MICROWAVE SYSTEMS**

Wallingford, CT 06492  
(203) 949-8400; (203) 949-8423.Fax  
www.timesmicrowave.com

**LMR-100A-UF**

Miniature Communications Coax

Size A	CAGE CODE <b>68999</b>	Drawing No.: <b>AA-9657</b>
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54274	Scale: NA	Rev. (-C)	Sheet: 1 of 1
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