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

LTR	DESCRIPTION	DATE	BY
-	Released	2/27/09	JCL

I. **CONSTRUCTION**

center conductor: Solid Bare Copper Clad Aluminum	.176 inches
dielectric: Gas Injected Foam Polyethylene	.455
shield: Aluminum-Polyester-Aluminum-Adhesive Tape	.461
: 34 GA Aluminum Braid (90%k)	.490
jacket: Black Weather Resistant FRPVC	.590

II. **ENVIRONMENTAL and MECHANICAL PROPERTIES**

weight:	99 pounds per 1000 feet
operating temperature:	-40°C to +85°C
minimum bend radius:	1.5 inch (installation)
	6 inch (multiple bends)

III. **ELECTRICAL PROPERTIES**

impedance:	50 ohms	
capacitance:	23.4 pF per foot	
velocity:	87 %	
time delay:	1.32 nS per foot	
shielding:	> 90 dB	
operating voltage (corona extinction):	2500 vrms	
dc resistance (center conductor):	0.53 ohms per 1000 feet	
(outer conductor):	4.40 ohms per 1000 feet	
attenuation @	13.56 MHz:	0.28 dB/100 feet
(typical)	30 MHz:	0.42 dB
	60 MHz:	0.60 dB
	100 MHz:	0.78 dB
	150 MHz:	0.96 dB

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.

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Approvals		
Drawn	JCL	2/27/09
Check		
Prj. Mgr.		
Prd. Mgr.		
QA Mgr.		

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LMR-LW600-FRPVC

Low Loss Flexible
High Performance Communications Coax

Size	CAGE CODE	Drawing No.:
A	**68999**	**AA-9714**

Scale: NA | Rev. (-) | Sheet: 1 of 1