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: Bare Copper Tube	.349 inches
dielectric: Gas Injected Foam Polyethylene	.920
shield: Aluminum-Polyester-Aluminum-Adhesive Tape	.926
: 30 GA Aluminum Braid (90%k)	.972
jacket: Black Weather Resistant FRPVC	1.200

II. **ENVIRONMENTAL and MECHANICAL PROPERTIES**

weight:	298 pounds per 1000 feet
operating temperature:	-40°C to +85°C
minimum bend radius:	6.5 inch (installation)
	12 inch (multiple bends)

III. **ELECTRICAL PROPERTIES**

impedance:	50 ohms	
capacitance:	23.1 pF per foot	
velocity:	88 %	
time delay:	1.15 nS per foot	
shielding:	> 90 dB	
operating voltage (corona extinction):	2500 vrms	
dc resistance (center conductor):	0.32 ohms per 1000 feet	
(outer conductor):	1.37 ohms per 1000 feet	
attenuation @	13.56 MHz:	0.14 dB/100 feet
(typical)	30 MHz:	0.21 dB
	60 MHz:	030 dB
	100 MHz:	0.39 dB
	150 MHz:	0.48 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.

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

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LMR-LW1200-FRPVC

Low Loss Flexible
High Performance Communications Coax

Size	CAGE CODE	Drawing No.:
A	**68999**	**AA-9716**

45276	Scale: NA	Rev. (-)	Sheet: 1 of 1