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	.108 inches
dielectric: Gas Injected Foam Polyethylene	.285
shield: Aluminum-Polyester-Aluminum-Adhesive Tape	.291
: 34 GA Aluminum Braid (90%k)	.320
jacket: Black Weather Resistant FRPVC	.405

II. **ENVIRONMENTAL and MECHANICAL PROPERTIES**

weight:	50 pounds per 1000 feet
operating temperature:	-40°C to +85°C
minimum bend radius:	1 inch (installation)
	3 inch (multiple bends)

III. **ELECTRICAL PROPERTIES**

impedance:	50 ohms	
capacitance:	23.9 pF per foot	
velocity:	85 %	
time delay:	1.384 nS per foot	
shielding:	> 90 dB	
operating voltage (corona extinction):	2500 vrms	
dc resistance (center conductor):	1.39 ohms per 1000 feet	
(outer conductor):	6.10 ohms per 1000 feet	
attenuation @	13.56 MHz:	0.45 dB/100 feet
(typical)	30 MHz:	0.68 dB
	60 MHz:	0.96 dB
	100 MHz:	1.25 dB
	150 MHz:	1.54 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-LW400-FRPVC

Low Loss Flexible
High Performance Communications Coax

Size	CAGE CODE	Drawing No.:
A	**68999**	**AA-9613**

45291	Scale: NA	Rev. (-)	Sheet: 1 of 1