

LTR	DESCRIPTION	DATE	BY
-	Released	11/9/94	JCL
A	Additional Properties Incorporated	11/14/01	JCL

I. CONSTRUCTION

center conductor: Stranded Bare Copper	.056 inches
dielectric: Gas Injected Foam Polyethylene	.150
shield: Aluminum-Polyester-Aluminum-Adhesive Tape	.155
: 36GA Tinned Copper Braid (90%k)	.178
jacket: Black Thermoplastic Rubber	.240

II. ENVIRONMENTAL and MECHANICAL PROPERTIES


weight:	40pounds per 1000 feet
operating temperature:	-40°C to +85°C
minimum bend radius:	3/4 inch (installation) 2-1/2 inch (multiple bends)

III. ELECTRICAL PROPERTIES

impedance:	50 ohms	
capacitance:	24.2 pF per foot	
velocity:	84 %	
time delay:	1.417 nS per foot	
shielding:	> 90 dB	
operating voltage (corona extinction):	1500 vrms	
dc resistance (center conductor):	3.84 ohms per 1000 feet	
(outer conductor):	3.89 ohms per 1000 feet	
attenuation @	30 MHz: 1.5 dB/100 feet	0.98 kW
&	50 MHz: 1.9 dB	0.75 kW
cw power	150 MHz: 3.5 dB	0.42 kW
(typical)	220 MHz: 4.3 dB	0.34 kW
	450 MHz: 6.1 dB	0.24 kW
	900 MHz: 9.1 dB	0.17 kW
	1500 MHz: 12.0 dB	0.13 kW
	2000 MHz: 13.9 dB	0.11 kW
	2500 MHz: 15.5 dB	0.10 kW

IV. NOTES

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

<p>Unless otherwise specified, dimensions are in inches. Tolerances are applicable when specified.</p> <p>These drawings and specifications contain proprietary information which is the property of Times Microwave Systems.</p>	Approvals			 TIMES MICROWAVE SYSTEMS Wallingford, CT 06492 (203) 949-8400; (203) 949-8423.Fax www.timesmicrowave.com			
	Drawn	JCL	11/9/94				
	Check			LMR-240- UltraFlex Low Loss Flexible High Performance Communications Coax			
	Prj. Mgr.				Size	CAGE CODE	Drawing No.:
	Prd. Mgr.				A	68999	AA-8213
54041	QA Mgr.			Scale: NA	Rev. (A)	Sheet: 1 of 1	