THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1							
LTR	DESCRIPTION	DATE	BY				
-	Released	11/9/94	JCL				
Α	Additional Properties Incorporated	11/14/01	JCL				
В	Added 5.8 GHz Attenuation	9/15/11	JCL				

I. CONSTRUCTION

center conductor: Stranded Bare Copper .177 inches dielectric: Gas Injected Foam Polyethylene .455 shield: Aluminum-Polyester-Aluminum-Adhesive Tape .460 .33 GA Tinned Copper Braid (90%k) .494 jacket: Black Thermoplastic Rubber .590

II. ENVIRONMENTAL and MECHANICAL PROPERTIES

weight: 165 pounds per 1000 feet operating temperature: -40°C to +85°C

minimum bend radius: 1-1/2 inch (installation) 4-1/2 inch (multiple bends)

III.ELECTRICAL PROPERTIES

impedance: 50 ohms

capacitance: 23.4 pF per foot

velocity: 87 %

time delay: 1.21 nS per foot

shielding: > 90 dB

operating voltage (corona extinction): 4500 vrms

dc resistance (center conductor): 0.56 ohms per 1000 feet

(outer conductor): 1.20 ohms per 1000 feet

attenuation @	30 MHz:	0.50 dB/100 feet	3.6 kW
&	50 MHz:	0.66 dB	2.8 kW
cw power	150 MHz:	1.2 dB	1.6 kW
(typical)	220 MHz:	1.4dB	1.2 kW
,	450 MHz:	2.1 dB	0.84 kW
	900 MHz:	3.0 dB	0.60 kW
	1500 MHz:	4.0 dB	0.45 kW
	2000 MHz:	4.7 dB	0.38 kW
	2500 MHz:	5.2 dB	0.30 kW
	5800 MHz:	8.7 dB	0.26 kW

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 spec-	Approvals		TIMES MICROWAVE SYSTEMS Wallingford, CT 06492					
ified.	Drawn	JCL	11/9/94	(203) 949-8400; (203) 949-8423.Fax www.timesmicrowave.com				
These drawings and specifications contain proprietary information	Check			LMR-600- UltraFlex Low Loss Flexible				
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