THE REVISION STATUS OF ALL SHEETS OF THIS DRAWING IS THE SAME AS SHEET 1								
LTR	DESCRIPTION	DATE	BY					
-	Released	1/22/96	JCL					
Α	Added Environmental Specs	3/7/00	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 Tinned Copper Braid (90%k) .320 jacket: Black Weather Resistant Polyethylene over Braid Sealant – Waterproofing Compound

II. ENVIRONMENTAL and MECHANICAL PROPERTIES

weight: 68 pounds per 1000 feet operating temperature: -40°C to +85°C minimum bend radius: 1.0 inch

watertightness: ASTM D4565; REA PE-39; ANSI S-84-608

weather resistance: UL-1581, Paragraph 1200 environmental stress cracking: ASTM D1693

III.ELECTRICAL PROPERTIES

impedance: 50 ohms

capacitance: 23.9 pF per foot

velocity: 85 %

dc resistance (center conductor): 1.39 ohms per 1000 feet

(outer conductor): 1.65 ohms per 1000 feet 30 MHz: 0.7 dB per 100 feet

attenuation @ 30 MHz: 0.7 dB per 100 (typical) 50 MHz: 0.9 dB

150 MHz: 1.5 dB 220 MHz: 1.8 dB 450 MHz: 2.7 dB 900 MHz: 3.9 dB 1500 MHz: 5.1 dB 2000 MHz: 6.0 dB 2500 MHz: 6.8 dB

5800 MHz: 10.8 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 spec-	Annrovals		TIMES MICROWAVE SYSTEMS Wallingford, CT 06492					
ified.	Drawn	JCL	1/22/96	(203) 949-8400; (203) 949-8423.Fax www.timesmicrowave.com				
These drawings and specifications contain proprietary information	Check			LMR-400-DB High Performance Communications Coax				
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