

LTR	DESCRIPTION	DATE	BY
-	Released	10/28/03	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 FR Polyethylene .240

II. ENVIRONMENTAL and MECHANICAL PROPERTIES

weight: 34 pounds per 1000 feet
 operating temperature: -40°C to +85°C
 minimum bend radius: 3/4 inch (installation)
 2.5 inch (multiple bends)

III. ELECTRICAL PROPERTIES

impedance: 50 ohms
 capacitance: 23.1 pF per foot
 velocity: 83%
 attenuation @ 30 MHz: 1.6 dB/100 feet 1.24 kW
 & 50 MHz: 2.1 dB 0.96 kW
 cw power 150 MHz: 3.6 dB 0.55 kW
 (typical) 220 MHz: 4.4 dB 0.45 kW
 450 MHz: 6.3 dB 0.31 kW
 900 MHz: 9.1 dB 0.22 kW
 1500 MHz: 11.8 dB 0.17 kW
 2000 MHz: 13.8 dB 0.14 kW
 2500 MHz: 15.5 dB 0.13 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 specified.

These drawings and specifications contain proprietary information which is the property of Times Microwave Systems.

Approvals

Drawn JCL 10/28/03

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**TIMES MICROWAVE SYSTEMS**

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LMR-240-UltraFlex-FR

Low Loss Flexible
 High Performance Communications Coax

Size
A

CAGE CODE
68999

Drawing No.:
AA-9590

Scale: NA

Rev. (-)

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