

| REV. STATUS SHEETS | REV. LTR. | D | REVISIONS |                                |         |     |
|--------------------|-----------|---|-----------|--------------------------------|---------|-----|
|                    | SHEET NO  | 1 | LTR       | DESCRIPTION                    | DATE    | BY  |
|                    |           |   | -         | Released                       | 5/23/95 | JCL |
|                    |           |   | C         | Upgraded UL/CSA listing        | 2/26/99 | JCL |
|                    |           |   | D         | Updated Weight and Bend Radius | 7/30/99 | JCL |

I. CONSTRUCTION

DIAMETER

Center Conductor: Solid Bare Copper Clad Aluminum .095"  
 Dielectric: Low Density Teflon PTFE .287"  
 Shield: Aluminum-Polyester-Aluminum-Adhesive Tape .292"  
           34 GA Tinned Copper Braid(90%k) .320"  
 Jacket: Orange Low Smoke PVC Copolymer .405"

II. ENVIRONMENTAL AND MECHANICAL PROPERTIES

Weight: 114 lbs per 1000 feet  
 Operating Temperature: -5°C to +75°C  
 Minimum Bend Radius: 4"  
 Flame & Smoke: UL/CSA Rated CMP/MPP (PCC-FT6)

III. ELECTRICAL PROPERTIES

Impedance: 50 ohms  
 Capacitance: 27 pF per foot  
 Velocity: 76%  
 Attenuation @ 30 MHz: 0.7 dB per 100 feet  
 (typical) 50 MHz: 0.9 dB per 100 feet  
           150 MHz: 1.5 dB per 100 feet  
           220 MHz: 1.8 dB per 100 feet  
           450 MHz: 2.7 dB per 100 feet  
           900 MHz: 3.9 dB per 100 feet  
           1500 MHz: 5.1 dB per 100 feet  
           2000 MHz: 6.0 dB per 100 feet  
           2500 MHz: 6.8 dB per 100 feet

IV. NOTES

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

|  |           |     |         |   |            |               |
|--|-----------|-----|---------|---|------------|---------------|
| Unless otherwise specified dimensions in inches. Tolerances are applicable when specified. | Approvals |     |         | TIMES MICROWAVE SYSTEMS<br>Wallingford, CT 06492  |            |               |
|  | Drawn     | JCL | 5/23/95 | LMR-400-LLPL<br>Low Loss - Plenum Rated CMP/MPP<br>High Performance Communications Coax |            |               |
|  | Check     |     |         |   |            |               |
|  | PrjMg     |     |         | Size  | Code Ident | Dwg.No.       |
|  | PrdMg     |     |         | A   | 68999      | AA - 8317     |
| MI-54070   | QAMgr     |     |         | Scale: NA   |            | Sheet: 1 of 1 |