

LTR	DESCRIPTION	DATE	BY
-	Released	1/30/95	JCL
A	Revised Bend Radius	2/3/95	JCL
B	Weight to 160	8/10/98	JCL
C	Bend Radius to 1.5"	12/15/00	JCL

I. CONSTRUCTION

center conductor: Solid Bare Copper Clad Aluminum	.176 inches
dielectric: Gas Injected Foam Polyethylene	.455
shield: Silver Plated Copper Flat Ribbon Braid	.465
: Aluminum-Polyester-Aluminum Tape	.471
: 34 GA Tinned Copper Braid (90%k)	.500
jacket: Black Flame Retardant Polyurethane	.590

II. ENVIRONMENTAL and MECHANICAL PROPERTIES

weight:	160 pounds per 1000 feet
operating temperature:	-55°C to +80°C
minimum bend radius:	1.5 inch

III. ELECTRICAL PROPERTIES

impedance:	50 ohms
capacitance:	23.4 pF per foot
velocity:	87 %
attenuation @	30 MHz: 0.42 dB per 100 feet
(typical)	50 MHz: 0.55 dB
	150 MHz: 0.96 dB
	220 MHz: 1.18 dB
	450 MHz: 1.72 dB
	900 MHz: 2.50 dB
	1500 MHz: 3.31 dB
	2000 MHz: 3.90 dB
	2500 MHz: 4.42 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 specified.

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

Approvals			
Drawn	JCL	1/30/95	
Check			
Prj. Mgr.			
Prd. Mgr.			



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TCOM-600-UltraFlex
Low Loss Flame Retardant
High Performance Communications Coax

Size A	CAGE CODE 68999	Drawing No.: AA-8337
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MI-55006	QA Mgr.	RTH	1/30/95	Scale: NA	Rev. (C)	Sheet: 1 of 1
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