

LTR	DESCRIPTION	DATE	BY
-	Released	3/4/02	JCL
B	Weight from 89 to 108	4/18/06	JCL

I. CONSTRUCTION

center conductor: Stranded Bare Copper	.108 inches
dielectric: Gas Injected Foam Polyethylene	.285
shield: Silver Plated Copper Flat Ribbon Braid	.295
: Aluminum-Polyester-Aluminum Tape	.300
: 34 GA Tinned Copper Braid (90%k)	.329
jacket: Black Flame Retardant Polyurethane over Braid Sealant - Waterproofing Compound	.405

II. ENVIRONMENTAL and MECHANICAL PROPERTIES

weight:	108 pounds per 1000 feet
operating temperature:	-55°C to +85°C
minimum bend radius:	1 inch (installation) 3 inch (repeated flexing)

III. ELECTRICAL PROPERTIES


impedance:	50 ohms
capacitance:	23.9 pF per foot
velocity:	85 %
attenuation @	30 MHz: 0.9 dB per 100 feet
(typical)	50 MHz: 1.1 dB
	150 MHz: 1.8 dB
	220 MHz: 2.2 dB
	450 MHz: 3.2 dB
	900 MHz: 4.7 dB
	1500 MHz: 6.1 dB
	2000 MHz: 7.2 dB
	2500 MHz: 8.2 dB
	3000 MHz: 9.1 dB



Australian Representatives
ROJONE, PTY LTD.
Tel: 02 9829 1555
E: sales@rojone.com.au
www.rojone.com.au

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			 <p>TIMES MICROWAVE SYSTEMS Wallingford, CT 06492 (203) 949-8400; (203) 949-8423.Fax www.timesmicrowave.com</p>			
	Drawn	JCL	3/4/02				
	Check						
	Prj. Mgr.						
	Prd. Mgr.						
MI-55019	QA Mgr.			<p>TCOM-400-FlexStrand-DB Low Loss Flame Retardant High Performance Communications Coax</p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Size A</td> <td style="border: none;">CAGE CODE 68999</td> <td style="border: none;">Drawing No.: AA-9111</td> </tr> </table> <p>Scale: NA Rev. (B) Sheet: 1 of 1</p>	Size A	CAGE CODE 68999	Drawing No.: AA-9111
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