

LTR	DESCRIPTION	DATE	BY
-	Released	3/4/02	JCL
F	Added Repeated Bend Radius	12/2/09	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) 4 inch (repeated bend)

III. ELECTRICAL PROPERTIES

impedance:	50 ohms
capacitance:	25.1 pF per foot
velocity:	81 %
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
	5800 MHz: 13 dB
	6000 MHz: 14 dB
	7000 MHz: 15 dB
	8000 MHz: 16 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			 TIMES MICROWAVE SYSTEMS Wallingford, CT 06492 (203) 949-8400; (203) 949-8423.Fax www.timesmicrowave.com			
	Drawn	JCL	3/4/02				
	Check			TCOM-400-FlexStrand-DB Low Loss Flame Retardant High Performance Communications Coax			
	Prj. Mgr.				Size	CAGE CODE	Drawing No.:
	Prd. Mgr.				A	68999	AA-9111
MI-55019	QA Mgr.			Scale: NA	Rev. (F)	Sheet: 1 of 1	