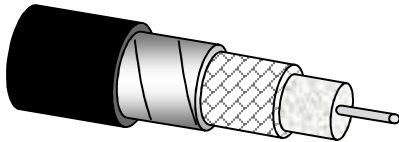




**TIMES MICROWAVE**

LTR	DESCRIPTION	DATE	BY
--A	New release CDC 47706	10/04/17	MS

## I. CONSTRUCTION



Center conductor	Tubular Bare Copper	.262"
Dielectric	Gas Injected Foam Polyethylene	.680"
Shield:	Bonded Aluminum, Polyester, Aluminum	.686"
Tape	30 GA Tinned Copper Braid (90%k)	.732"
Jacket	RodentRepel® non-toxic, rodent repellent, weather resistant black PE with Braid Sealant – Waterproofing Compound	.870"

## II. ENVIRONMENTAL and MECHANICAL PROPERTIES

Weight per 1000 feet(nominal)	266 lbs per 1000 feet
Operating temperature	–40oC to +85oC
Minimum bend radius	3"

## III. ELECTRICAL PROPERTIES

Impedance (nominal)	50 ohms
Capacitance(nominal)	23.4 pF per foot
Velocity of Propagation(nominal)	87 %

Attenuation @	
(GHz) Per	100 Feet
30 MHz	0.29 dB
50 MHz	0.37 dB
150 MHz	0.66 dB
220 MHz	0.80 dB
450 MHz	1.17 dB
900 MHz	1.70 dB
1500 MHz	2.24 dB
2000 MHz	2.63 dB
2500 MHz	2.98 dB

## 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 Wallingford CT 06492		
	Drawn:	M.Salib	10/04/17	LMR-900-RR-DB		
	Check					
	PrjMg					
	PrdMg					
MI	VpEng			Code Ident 68999	Dwg No: AA-11904	Revision A
	Page 1 of 1					

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