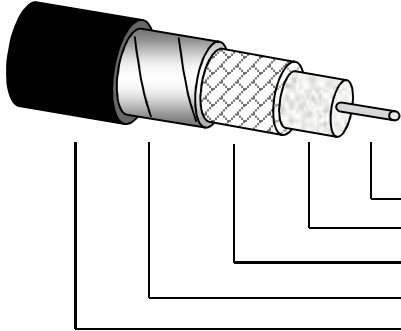




TIMES MICROWAVE

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

I. CONSTRUCTION



Center conductor	Solid Bare Copper Clad Aluminum	.108 +/- .001"
Dielectric	Gas Injected Foam Polyethylene	.285 +/- .005"
Shield:	Aluminum-Polyester-Aluminum-Adhesive	.291 +/- .005"
Tape	34 GA Tinned Copper Braid (90%k)	.320 +/- .005"
Jacket	RodentRepel® non-toxic, rodent repellent, weather resistant black PE with Braid Sealant – Waterproofing Compound.	.405 +/- .005"

II. ENVIRONMENTAL and MECHANICAL PROPERTIES

Weight per 1000 feet(nominal)	68 pounds per 1000 feet
Operating temperature	-40°C to +85°C
Minimum bend radius	1.0 inch
water tightness	ASTM D4565; REA PE-39; ANSI S-84-608
weather resistance	UL-1581, Paragraph 1200
environmental stress cracking	ASTM D1693
adhesion (center conductor to dielectric):	10 lbs (minimum)

III. ELECTRICAL PROPERTIES

Impedance (nominal)	50 ohms
Capacitance(nominal)	23.9 pF per foot
Velocity of Propagation(nominal)	85 %
dc resistance (center conductor)	1.39 ohms per 1000 feet
(outer conductor)	1.65 ohms per 1000 feet

Attenuation @	
(GHz) Per	100 Feet
30 MHz	0.7 dB
50 MHz	0.9 dB
150 MHz	1.5 dB
220 MHz	1.8 dB
450 MHz	2.7 dB
900 MHz	3.9 dB
1500 MHz	5.1 dB
2000 MHz	6.0 dB
2500 MHz	6.8 dB
5800 MHz	10.8 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-400-RR-DB		
	Check					
	PrjMg					
	PrdMg					
MI	VpEng			Code Ident 68999	Dwg No: AA-11903	Revision A

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