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I. **CONSTRUCTION**

	Diameter
Center conductor: Solid Bare Copper Clad Aluminum	.108 inches
Dielectric: Gas Injected Foam Polyethylene	.285
Shield: Aluminum-Polyester-Aluminum-Adhesive Tape	.291
: 34 GA Tinned Copper Braid (90%k)	.320
Jacket: Black Low Smoke Low Toxicity Non-halogen FR Polyethylene	.405 +/-.015”

II. **ENVIRONMENTAL and MECHANICAL PROPERTIES**

Weight: 90 pounds per 1000 feet
Operating temperature: -40°C to +85°C
Minimum bend radius: 1 inch
Flame & smoke: see notes below

III. **ELECTRICAL PROPERTIES**

Impedance: 50 ohms
Capacitance: 23.9 pF per foot
Velocity: 85 %
Dc resistance (center conductor): 1.39 ohms per 1000 feet
(Outer conductor): 1.65 ohms per 1000 feet

Attenuation @ Typical (max)	
30 MHz:	0.7 dB per 100 feet
50 MHz:	0.9 dB per 100 feet
150 MHz:	1.5 dB per 100 feet
220 MHz:	1.8 dB per 100 feet
450 MHz:	2.7 dB per 100 feet
900 MHz:	3.9 dB per 100 feet
1500 MHz:	5.1 dB per 100 feet
2000 MHz:	6.0 dB per 100 feet
2500 MHz:	6.8 dB per 100 feet

Shielding: >90dB

IV. **NOTES**

1. Flame: Meets IEC-332-1-2, IEC 332-3 CAT.C, UL-VW1, UL-1581, IEE-383, BS-4066-1, BS-4066-3
2. Smoke: Meets IEC-61034-2, NES-711
3. Halogen: Meets IEC-60754-1, BS 6425-1, IEC-60754-2, BS 6425-2
4. MISC: Compliant to EN-45545 (R15/R16), DIN 5510-2, NF F16-101, BS-6853 Standards
5. UV Resistant: Meets UL-1581, 720 Hour UV Exposure
6. Meets NFPA-130 Requirements
7. ROHS Compliant: 2002/95/EC ROHS Directive and Amendment 2011/65/EC

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Approvals		
Drawn	EP	5/4/2016
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This Technical Specification is for Reference only

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LMR-400-LSZH

Size	CAGE CODE	Drawing No.:
A	**68999**	**AA-11764**

Scale: NA	Rev. (--B)	Sheet: 1 of 1