

**I. CONSTRUCTION**

Center conductor: Solid Bare Copper Clad Aluminum	Diameter
Dielectric: Gas Injected Foam Polyethylene	.142 inches
Shield: Bonded Aluminum-Polyester-Aluminum Tape	.370"
: 38 GA Tinned Copper Braid (90%k)	.376"
Jacket: Black Low Smoke Low Toxicity Non-halogen FR Polyethylene	.405"
	.500" +/- .015"

**II. ENVIRONMENTAL and MECHANICAL PROPERTIES**

Weight: 126 pounds per 1000 feet  
 Operating temperature: -40°C to +85°C  
 Minimum bend radius: 1-1/4 inch  
 Flame & smoke: see notes below

**III. ELECTRICAL PROPERTIES**


Impedance: 50 ohms  
 Capacitance: 23.6 pF per foot  
 Velocity: 86 %

Attenuation @	30 MHz:	0.54 dB per 100 feet
Typical (max)	50 MHz:	0.70dB per 100 feet
	150 MHz:	1.22dB per 100 feet
	220 MHz:	1.49 dB per 100 feet
	450 MHz:	2.17 dB per 100 feet
	900 MHz:	3.13 dB per 100 feet
	1500 MHz:	4.13 dB per 100 feet
	2000 MHz:	4.84 dB per 100 feet
	2500 MHz:	5.48 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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