

I. CONSTRUCTION

Center conductor: Solid Bare Copper	Diameter
Dielectric: Gas Injected Foam Polyethylene	.056 inches
Shield: Aluminum-Polyester-Aluminum-Adhesive Tape	.150
: 36 GA Tinned Copper Braid (90%k)	.155
Jacket: Black Low Smoke Low Toxicity Non-halogen FR Polyethylene	.178
	.240 +/- .010"

II. ENVIRONMENTAL and MECHANICAL PROPERTIES

Weight: 43 pounds per 1000 feet
 Operating temperature: -40°C to +85°C
 Minimum bend radius: 3/4 inch
 Flame & smoke: **SEE NOTES BELOW**

III. ELECTRICAL PROPERTIES

Impedance: 50 ohms
 Capacitance: 24.2 pF per foot
 Velocity: 84 %
 Attenuation @ (Typical)

30 MHz:	1.3 dB per 100 feet
50 MHz:	1.7 dB per 100 feet
150 MHz:	3.0 dB per 100 feet
220 MHz:	3.7 dB per 100 feet
450 MHz:	5.3 dB per 100 feet
900 MHz:	7.6 dB per 100 feet
1500 MHz:	9.9 dB per 100 feet
2000 MHz:	11.5 dB per 100 feet
2500 MHz:	12.0 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
CHK	TF	5/4/2016
This Technical Specification is for Reference only		

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