

Physical Characteristics (Overall)

Conductor

AWG: 16 AWG, Solid, Bare Copper, 0.051" Diameter

Insulation

Insulation Material: Foamed High Density Polyethylene, 0.225" Diameter

Outer Shield Materials

Layer	Type	Outer Shield Material	Coverage (%)
1.	Foil	Aluminum Foil-Polyester Tape-Aluminum Foil	100 %
2.	Braid	TC - Tinned Copper	95 %
3.	Foil	Polyester Tape-Aluminum Foil	100 %

Outer Jacket

Outer Jacket Material: PVC - Polyvinyl Chloride, 0.320" Diameter

Jacket Print:: S-7244-1463 75 OHM LOW LOSS

Electrical Characteristics

Impedance: 75 Ohms (+/- 3) @ 20°C

Nom. Inductance: 0.091 (µH/ft)

Capacitance Conductor to Shield: 16.2 (pF/ft)

Velocity of Propagation: 83.00% (Nominal)

Nominal Delay: 1.21 (ns/ft)

Conductor DC Resistance: 4.00 Nominal (Ohms/1,000 feet @ 20°C)

Outer Shield DC Resistance: 1.90 Nominal (Ohms/1,000 feet @ 20°C)

Maximum Operating Voltage (UL): 300 V RMS

Sweep Testing: 100% Sweep tested 5 MHz to 4.5 GHz.

Nom. Attenuation:	Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000	0.19
	3.600	0.37
	10.00	0.60
	71.50	1.43
	135.0	1.89
	270.0	2.64
	360.0	3.05
	720.0	4.42
	1000.0	5.25

Mechanical Characteristics

Operating Temperature Range: -30°C To +75°C

Bulk Cable Weight: 59 lbs/1000 ft.

Max. Recommended Pulling Tension: 111 lbs.

Min. Bend Radius/Minor Axis: 3.250 in.

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

Flame Test

UL Flame Test: UL1666 Vertical Shaft

CSA Flame Test: FT4