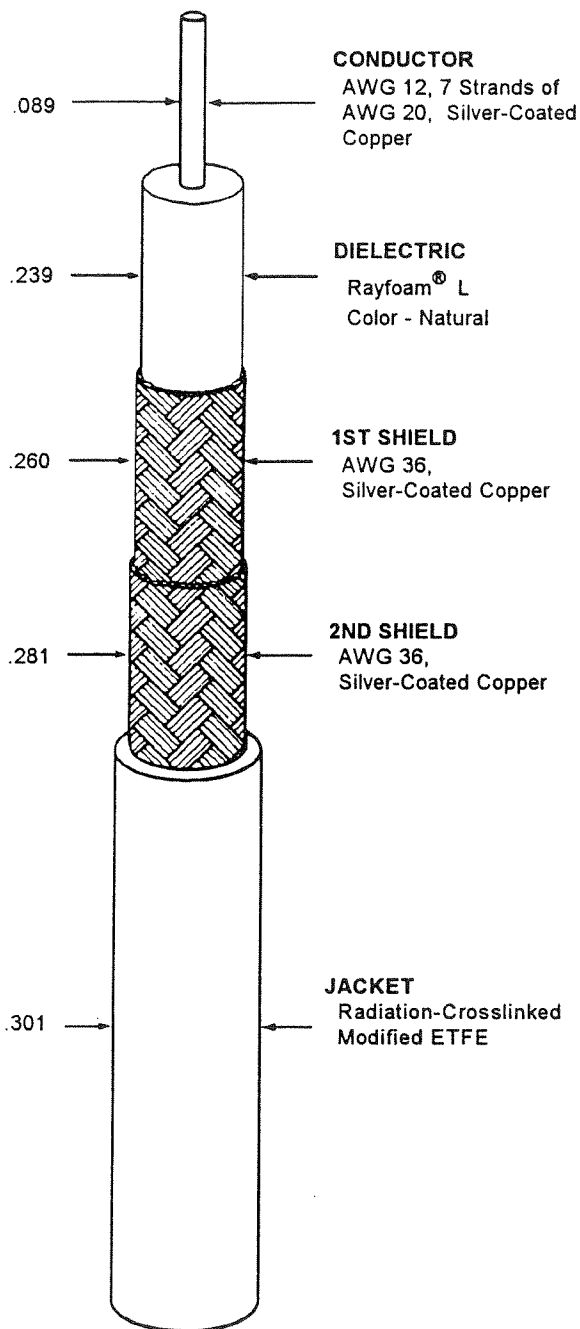


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	50 ± 2 ohms, Method A
CAPACITANCE	25.0 pF/ft. (minimum) 30.0 pF/ft. (maximum)
VELOCITY OF PROPAGATION	78% (nominal)
ATTENUATION dB/100 ft. maximum	3 @ 100 MHz 6 @ 400 MHz 10 @ 1 GHz 20 @ 3 GHz

**ADDITIONAL REQUIREMENTS**

**ELECTRICAL**

CONDUCTOR RESISTANCE	1.76 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms), 60 Hz
IMPULSE TEST	6.0 kV, (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	3000 volts (rms) (minimum)

**ENVIRONMENTAL**

AGING STABILITY	135° C/-55° C/8.00 inch mandrel
FLAMMABILITY	FAR, Part 25 (Spec 1200, Method B)
HEAT SHOCK	225° C
LOW TEMPERATURE- COLD BEND	-55° C/8.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

**PHYSICAL**

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	800 lbf/in <sup>2</sup> (minimum)
CONCENTRICITY	75% (minimum)
JACKET	
ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.010 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT 67.9 lbs/1000 ft. (nominal)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g 5012M3612-0) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681.