

**CHEMINAX**

50 OHM, AWG 18, 19 STRANDS OF AWG 30, COAXIAL CABLE

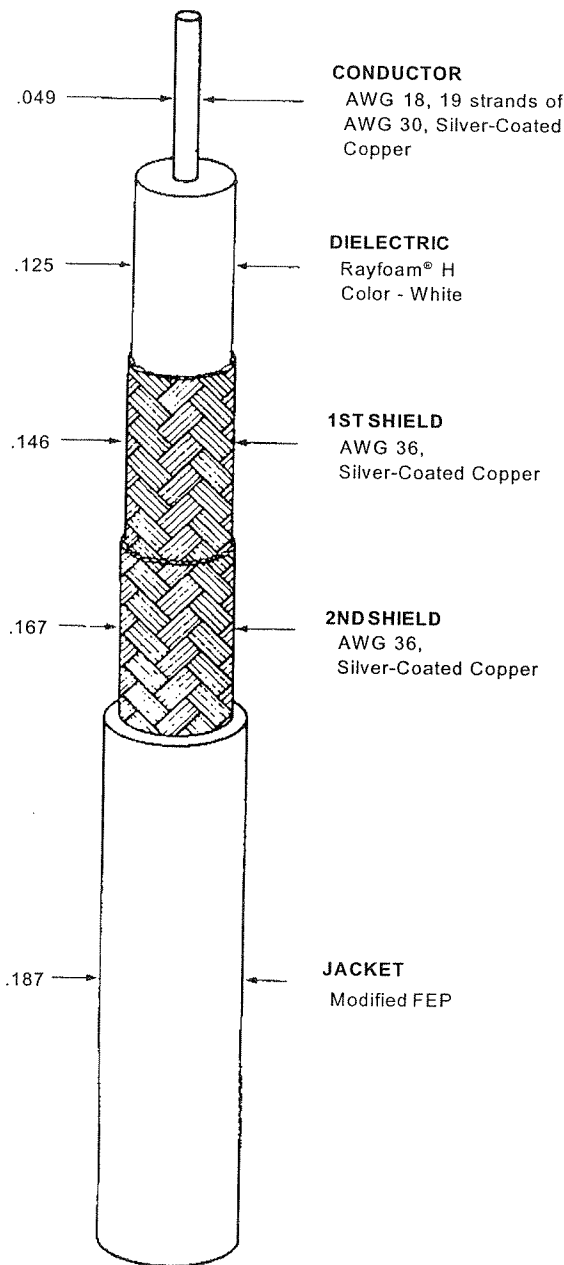
Date: 09-21-00

Revision: G

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. (nominal)
VELOCITY OF PROPAGATION	80% (nominal)
ATTENUATION	9.2 dB/100 ft max at 400 MHz 16.5 dB/100 ft max at 1000 MHz 35.0 dB/100 ft max at 3000 MHz 51.0 dB/100 ft max at 5000 MHz

**ADDITIONAL REQUIREMENTS**

**ELECTRICAL**

CONDUCTOR RESISTANCE	5.64 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms)
IMPULSE TEST	6.0 kV, (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms), (minimum)

**ENVIRONMENTAL**

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/5.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms) for 1 minute

**PHYSICAL**

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.010 inch (nominal)
SHIELD COVERAGE (each)	90% (minimum)

WEIGHT	37.4 lbs/1000 ft. (nominal)
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Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g 5018A3022-9X) unless otherwise specified.

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

