

CHEMINAX

95 OHM, AWG 27, 7 STRANDS OF AWG 35, COAXIAL CABLE

Date: 04-17-00

Revision: G

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

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED. CONDUCTOR AWG 27, 7 Strands of AWG 35, Silver-Coated Copper Covered Steel DIELECTRIC Rayfoam® L Color - Natural SHIELD AWG 38, Silver-Coated Copper JACKET Thermorad® S	CHARACTERISTIC IMPEDANCE 95 ± 5 ohms, Method B CAPACITANCE 13.5 pF/ft. (nominal) at 1 kHz VELOCITY OF PROPAGATION 79% (nominal)
	ADDITIONAL REQUIREMENTS
	ELECTRICAL CONDUCTOR RESISTANCE 121. 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 AGING STABILITY 135°C/-55°/4.25 inch mandrel FLAMMABILITY Method C HEAT SHOCK 225°C LOW TEMPERATURE- COLD BEND -55°C/4.25 inch mandrel VOLTAGE WITHSTAND (POST ENVIRONMENTAL) 1000 volts (rms), 1 minute PHYSICAL INSULATION (DIELECTRIC) ELONGATION 50% (minimum) TENSILE STRENGTH 800 lbf/in² (minimum) JACKET ELONGATION 250% (minimum) TENSILE STRENGTH 2000 lbf/in² (minimum) JACKET THICKNESS .012 inch (nominal) SHIELD COVERAGE 90% (minimum) WEIGHT 12.1 lbs/1000 ft. (nominal)

Outer jacket color will be black designated by a "0" appended to the part number (e.g., 9527A1318-0) unless otherwise specified.

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

Raychem

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THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.