

SPECIFICATION CONTROL DRAWING

2524E0311

CHEMINAX

125 OHM, AWG 24, RADIO FREQUENCY, 19 STRANDS OF
AWG 36, TWIN CONDUCTOR CABLE

Date: 1-25-99
Revision: D

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	
	CONDUCTORS AWG 24, 19 strands of AWG 36, Tin-Coated Copper DIELECTRICS Rayfoam® L Colors - Tan / White
	ELECTRICAL CHARACTERISTICS CHARACTERISTIC IMPEDANCE 125 ± 12 ohms, Method C at 1 MHz CAPACITANCE - MUTUAL 10.4 pF/ft. (nominal) VELOCITY OF PROPAGATION 78% (nominal)
ADDITIONAL REQUIREMENTS	
ELECTRICAL CONDUCTOR RESISTANCE 25.0 ohms/1000 ft. (nominal) INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft. JACKET FLAWS 1.0 kV (rms), 60 Hz SPARK TEST 6.0 kV (peak) IMPULSE TEST 1000 volts (rms) (minimum) VOLTAGE WITHSTAND (DIELECTRIC) ENVIRONMENTAL AGING STABILITY 150°C/-55°C/5.50 inch mandrel FLAMMABILITY Method C HEAT SHOCK 225°C LOW TEMPERATURE- -55°C/5.50 inch mandrel COLD BEND VOLTAGE WITHSTAND 1000 volts (rms), 1 minute (POST ENVIRONMENTAL) PHYSICAL INSULATION (DIELECTRIC) (Prior to Cabling) ELONGATION 50% (minimum) TENSILE STRENGTH 1000 lb/f/in² (minimum) JACKET ELONGATION 100% (minimum) TENSILE STRENGTH 2000 lb/f/in² (minimum) JACKET THICKNESS .015 inch (nominal) SHIELD COVERAGE 90% (minimum)	
WEIGHT	17.0 lbs/1000 ft. (nominal)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 2524E0311-0) unless otherwise specified.

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

Raychem.

Raychem Corporation
300 Constitution Drive
Menlo Park, California 94025
1-800-2-Raychem FAX: 1-650-382-6297

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