CHEMINAX

50 OHM, AWG 24, 19 STRANDS OF AWG 36, OPTIMIZED SHIELDS, COAXIAL CABLE

Date:

1-23-95

Revision:

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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 CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A CAPACITANCE 27.1 pF/ft. (nominal) 29.5 pF/ft. (maximum) CONDUCTOR .025 AWG 24, 19 Strands VELOCITY OF PROPAGATION 75% (nominal) of AWG 36, Silver-Coated High SURFACE TRANSFER IMPEDANCE 60 milliohms/m (maximum), Strength Copper Alloy .1 to 1000 MHz DIELECTRIC .066 Rayfoam® L ± .003 ADDITIONAL REQUIREMENTS Color - Natural **ELECTRICAL** CONDUCTOR RESISTANCE 26.5 ohms/1000 ft. (nominal) 10,000 megohms (minimum) INSULATION RESISTANCE 1st SHIFLD .083 for 1000 ft. **AWG 38** JACKET FLAWS Silver-Coated Copper, SPARK TEST 1.0 kV (rms), 60 Hz Optimized **IMPULSE TEST** 6.0 kV (peak) **VOLTAGE WITHSTAND** 1000 volts (rms) (minimum) (DIELECTRIC) 2nd SHIELD **AWG 38** .100 **ENVIRONMENTAL** Silver-Coated Copper Optimized AGING STABILITY 135°C/-55°C/3.25 inch mandrel **FLAMMABILITY** Method C **HEAT SHOCK** 225°C LOW TEMPERATURE--55°C/3.25 inch mandrel COLD BEND **VOLTAGE WITHSTAND** (POST ENVIRONMENTAL) 1000 volts (rms), 1 minute **PHYSICAL** INSULATION (DIELECTRIC) .120 JACKET **ELONGATION** 50% (minimum) Thermorad® S (nominal) TENSILE STRENGTH 1000 lbf/in2 (minimum) .133 JACKET (maximum) **ELONGATION** 250% (minimum) 2000 lbf/in2 (minimum) TENSILE STRENGTH JACKET THICKNESS .010 inch (nominal) SHIELD COVERAGE 90% (minimum) (EACH) Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 5024A3314-0) unless otherwise specified.



with MIL-STD-681.

Designate outer jacket color with a dash number in accordance

Raychem Corporation 300 Constitution Drive Menio Park California 94025 1-800-2 Raychem FAX 1-415-361-6297

WEIGHT

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

13.6 lbs/1000 ft. (nominal)