CHEMINAX

50 OHM, AWG 22, 19 STRANDS OF AWG 34, TRIAXIAL CABLE Date:

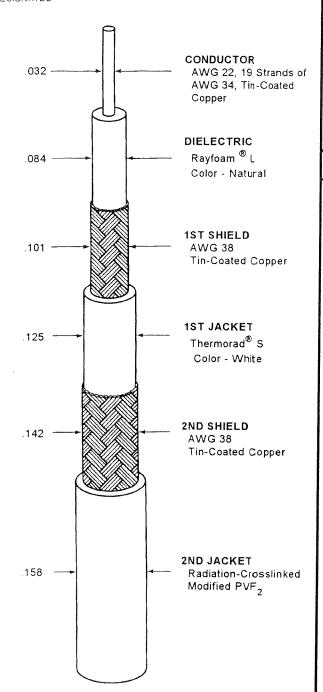
2-13-97

Revision: F

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



Outer jacket color will be white (designated by a "-9" appended to the part number, e.g., 5022E5111-9) unless otherwise specified.

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

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE

50 ± 2 ohms, Method A

CAPACITANCE

26.0 pF/ft. (nominal)

VELOCITY OF PROPAGATION

77% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE INSULATION RESISTANCE (CONDUCTOR TO SHIELD)

JACKET FLAWS

SPARK TEST
IMPULSE TEST

VOLTAGE WITHSTAND (DIELECTRIC)

CONDUCTOR TO SHIELD SHIELD TO SHIELD

14.8 ohms/1000 ft. (nominal) 10,000 megohms (minimum) for 1000 ft.

1.0 kV (rms), 60 Hz 6.0 kV (peak)

1000 volts (rms) (minimum) 500 volts (rms) (minimum)

ENVIRONMENTAL

AGING STABILITY FLAMMABILITY HEAT SHOCK LOW TEMPERATURE-

COLD BEND

VOLTAGE WITHSTAND (POST ENVIRONMENTAL)

135°C/-55°C/4.25 inch mandrel

Method B 225°C

-55°C/4.25 inch mandrel

1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)
ELONGATION
TENSILE STRENGTH

1ST JACKET ELONGATION

ELONGATION TENSILE STRENGTH

2ND JACKET

ELONGATION TENSILE STRENGTH 1ST JACKET THICKNESS 2ND JACKET THICKNESS SHIELD COVERAGE (EACH) 50% (minimum) 800 lbf/in² (minimum)

250% (minimum) 2000 lbf/in² (minimum)

200% (minimum) 4000 lbf/in² (minimum) .012 inch (nominal) .008 inch (nominal) 90% (minimum)

JACKET IDENTIFICATION: Outer jacket shall be marked in a contrasting color at 6 inch (maximum) intervals as follows: "5022E5111 06090 "

WEIGHT

21.3 lbs/1000 ft. (nominal)