**CHEMINAX** 

100 OHM, AWG 22, 19 STRANDS OF AWG 34, RADIO FREQUENCY, TWIN CONDUCTOR CABLE

Date: 5-5-97 Revision: С

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

CHARACTERISTIC IMPEDANCE

100 ± 10 ohms, Method C at 1 MHz

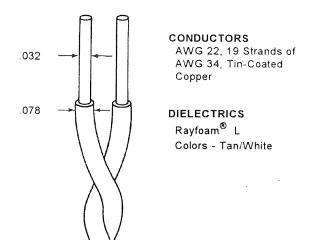
CAPACITANCE - MUTUAL

13.5 pF/ft. (nominal)

VELOCITY OF PROPAGATION

75% (nominal)

**ELECTRICAL CHARACTERISTICS** 



SHIELD

**JACKET** 

Thermorad® S

**AWG 38** 

Tin-Coated Copper

## ADDITIONAL REQUIREMENTS

#### ELECTRICAL

CONDUCTOR RESISTANCE INSULATION RESISTANCE

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

for 1000 ft.

JACKET FLAWS SPARK TEST

1.0 kV (rms), 60 Hz

IMPULSE TEST **VOLTAGE WITHSTAND**  6.0 kV (peak)

1000 volts (rms) (minimum)

(DIELECTRIC)

### **ENVIRONMENTAL**

AGING STABILITY FLAMMABILITY

135°C/-55°C/5.50 inch mandrel

**HEAT SHOCK** 

Method C

LOW TEMPERATURE-

225°C -55°C/5.50 inch mandrel

COLD BEND

VOLTAGE WITHSTAND (POST ENVIRONMENTAL)

1000 volts (rms), 1 minute

# PHYSICAL

INSULATION (DIELECTRIC)

(Prior to Cabling)

ELONGATION 50% (minimum)

TENSILE STRENGTH

**JACKET** 

1000 lbf/in2 (minimum)

ELONGATION

TENSILE STRENGTH

250% (minimum) 2000 lbf/in2 (minimum)

JACKET THICKNESS

.015 inch (nominal)

SHIELD COVERAGE

90% (minimum)

Outer jacket will be black (designated by a "-0" appended to the part number, e.g., 0022E0311-0) unless otherwise specified.

WEIGHT

20.0 lbs/1000 ft. (nominal)

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

.173

.203