**CHEMINAX** 

DESIGNATED

.173

.203

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

**ELECTRICAL CHARACTERISTICS** 

CAPACITANCE - MUTUAL

100 ± 10 ohms, Method C at 1 MHz

13.5 pF/ft. (nominal)

VELOCITY OF PROPAGATION

CHARACTERISTIC IMPEDANCE

75% (nominal)

## CONDUCTORS AWG 22, 19 Strands of 032 AWG 34, Tin-Coated Copper 078 **DIELECTRICS** Ravfoam® L Colors - Tan/White

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 6.0 kV (peak)

IMPULSE TEST

1000 volts (rms) (minimum)

**VOLTAGE WITHSTAND** (DIELECTRIC)

#### **ENVIRONMENTAL**

AGING STABILITY FLAMMABILITY

135°C/-55°C/5.50 inch mandrel 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

TENSILE STRENGTH

JACKET

1000 lbf/in2 (minimum)

50% (minimum)

ELONGATION TENSILE STRENGTH JACKET THICKNESS

SHIELD COVERAGE

250% (minimum) 2000 lbf/in2 (minimum) .015 inch (nominal) 90% (minimum)

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

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

WEIGHT

20.0 lbs/1000 ft. (nominal)



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

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

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