CHEMINAX

180

.201

.241

.262

.282

75 OHM, AWG 20, 19 STRANDS OF AWG 32. TRIAXIAL CABLE

Date: Revision:

5-18-00 Α

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

75 ± 3 ohms, Method B

CAPACITANCE

17.1 pF/ft. (nominal) at 1kHz

VELOCITY OF PROPAGATION

79% (nominal)

CONDUCTOR AWG 20, 19 Strands of .040 AWG 32, Tin-Coated Copper DIELECTRIC

Rayfoam® L Color - Natural

1st SHIELD

AWG 36.

1st JACKET

2nd SHIELD

AWG 36,

2nd JACKET

Modified ETFE

Radiation-Crosslinked.

Tin-Coated Copper

Thermorad[®] F Color - Black

Tin-Coated Copper

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE INSULATION RESISTANCE

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

for 1000 ft.

JACKET FLAWS SPARK TEST IMPULSE TEST

1.0 kV (rms)

VOLTAGEWITHSTAND

6.0 kV (peak)

(DIELECTRIC)

CONDUCTOR TO SHIELD SHIELD TO SHIELD

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

ENVIRONMENTAL

FLAMMABILITY HEATSHOCK

Method B 225°C

LOW TEMPERATURE-

-55°C/8.00 inch mandrel

COLD BEND

VOLTAGE WITHSTAND

1000 volts (rms), for 1 minute

(POST ENVIRONMENTAL)

PHYSICAL

INSULATION (DIELECTRIC)

ELONGATION TENSILE STRENGTH 50% (minimum) 800 lbf/in2 (minimum)

1st JACKET

ELONGATION TENSILE STRENGTH

100% (minimum) 2000 lbf/in2 (minimum)

2ndJACKET

50% (minimum)

ELONGATION TENSILE STRENGTH 1stJACKET THICKNESS 2nd JACKET THICKNESS

SHIELD COVERAGE (EACH)

5000 lbf/in² (minimum) .020 inch (nominal) .010 inch (nominal) 90% (minimum)

Outer jacket color will be white designated by a "9" appended to the part number, e.g. 7520A5611-9 unless otherwise specified.

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

WEIGHT

52.2 lbs/1000 ft. (nominal)

