CHEMINAX

100 OHM, AWG 26, 19 STRANDS OF AWG 38, RADIO FREQUENCY, TWIN CONDUCTOR CABLE

Date: Revision: 4-1-02 F

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

100 ± 7 ohms, Method C at 1 MHz

CAPACITANCE - MUTUAL

14.5 pF/ft. (nominal)

VELOCITY OF PROPAGATION

73% (nominal)

CONDUCTORS AWG 26, 19 Strands of AWG 38. .020 Silver-Coated High-Strength Copper Alloy 047 **DIELECTRICS** Rayfoam[®] H Colors - White/Light Blue

SHIELD

JACKET

Modified FEP

AWG 38

Tin-Coated Copper

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE INSULATION RESISTANCE

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

for 1000 ft.

JACKET FLAWS SPARK TEST **IMPULSE TEST**

1.0 kV (rms) 6.0 kV (peak)

VOLTAGE WITHSTAND

1000 volts (rms) (minimum)

(DIELECTRIC)

ENVIRONMENTAL

FLAMMABILITY HEAT SHOCK

Method B 225°C

LOW TEMPERATURE-

-55°C/3.75 inch mandrel

COLD BEND

VOLTAGE WITHSTAND

1000 volts (rms), 1 minute

(POST ENVIRONMENTAL)

PHYSICAL

INSULATION (DIELECTRIC)

(Prior to Cabling)

ELONGATION TENSILE STRENGTH 50% (minimum) 600 lbf/in2 (minimum)

JACKET

ELONGATION TENSILE STRENGTH JACKET THICKNESS

SHIELD COVERAGE

BRAID ANGLE

200% (minimum)

2000 lbf/in2 (minimum) .012 inch (nominal) 90% (minimum)

25° (maximum)

Outer jacket will be translucent white (designated by a "-9X" appended to the part number, e.g., 0026A0024-9X), unless otherwise specified.

WEIGHT

13.7 lbs/1000 ft. (nominal)

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

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