

120 OHM, AWG 24, RADIO FREQUENCY, 19 STRANDS OF AWG 36, TWIN CONDUCTOR CABLE Date:

8-18-99

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.

CONDUCTORS

AWG 24, 19 Strands of AWG 36, Silver-Coated High Strength Copper .025 Allov **DIELECTRICS** .068 Rayfoam® L Colors - White/ Light Blue SHIELD **AWG 38** .153 Tin-Coated Copper JACKET Radiation-Crosslinked .171 -Modified PVF₂

Outer jacket will be white (designated by a "-9" appended to the

part number, e.g., 2024D0114-9) unless otherwise specified.

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

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE

120 ± 10 ohms, Method C at 1 MHz

CAPACITANCE - MUTUAL

12.5 pF/ft. (nominal)

VELOCITY OF PROPAGATION

77% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE INSULATION RESISTANCE

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

for 1000 ft.

JACKET FLAWS SPARK TEST IMPULSE TEST

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

VOLTAGE WITHSTAND (DIELECTRIC)

1000 volts (rms) (minimum)

ENVIRONMENTAL

AGING STABILITY
FLAMMABILITY

135°C/-55°C/4.50 inch mandrel Method B

HEAT SHOCK LOW TEMPERATURE-

225°C

COLD BEND

-55°C/4.50 inch mandrel

VOLTAGE WITHSTAND (POST ENVIRONMENTAL)

1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)

(Prior to Cabling)

ELONGATION TENSILESTRENGTH 50% (minimum) 1000 lbf/in² (minimum)

JACKET

ELONGATION
TENSILE STRENGTH
JACKET THICKNESS

SHIELD COVERAGE

1000 ibi/iii (iiiiiiiiiiiiiii)

200% (minimum) 4000 lbf/in² (minimum) .009 inch (nominal) 90% (minimum)

WEIGHT

14.6 lbs/1000 ft. (nominal)