

.083

.187

.225

(minimum)

.245

(maximum)

78 OHM, AWG 20, 19 STRANDS OF AWG 32, RADIO FREQUENCY, TWIN CONDUCTOR CABLE

Date:

08-22-00 F Revision:

78 ± 7 ohms, Method C at 1 MHz

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.

CONDUCTORS 040

AWG 20, 19 strands of AWG 32, Tin-Coated Copper

DIELECTRICS Ravolin ™ F Colors - White/Tan

SHIELD AWG 36,

JACKET

Thermorad S

Tin-Coated Copper,

CAPACITANCE - MUTUAL 20.5 pF/ft. (nominal)

VELOCITY OF PROPAGATION 66% (nominal)

CHARACTERISTIC IMPEDANCE

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE 9.53 ohms/1000 ft. (nominal) INSULATION RESISTANCE 10,000 megohms (minimum)

for 1000 ft.

JACKET FLAWS

1.0 kV (rms) **SPARKTEST IMPULSETEST** 6.0 kV (peak)

VOLTAGE WITHSTAND 2000 volts (rms) (minimum)

(Dielectric)

ENVIRONMENTAL

FLAMMABILITY Method C **HEAT SHOCK** 225°C

LOWTEMPERATURE--55°C/6.00 inch mandrel

COLD BEND VOLTAGE WITHSTAND

(Post Environmental) 1000 volts (rms), 1 minute

PHYSICAL

INSULATION (Dielectric)

(Prior to Cabling)

ELONGATION 250% (minimum) TENSILE STRENGTH 1800 lbf/in² (minimum)

JACKET

ELONGATION 250% (minimum) 2000 lbf/in² (minimum) **TENSILE STRENGTH JACKETTHICKNESS** .022 inch (nominal) **SHIELD COVERAGE** 90% (minimum)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 7820D0331-0) unless otherwise specified.

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

WEIGHT

30.3 lbs/1000 ft. (nominal)

