

**CHEMINAX**

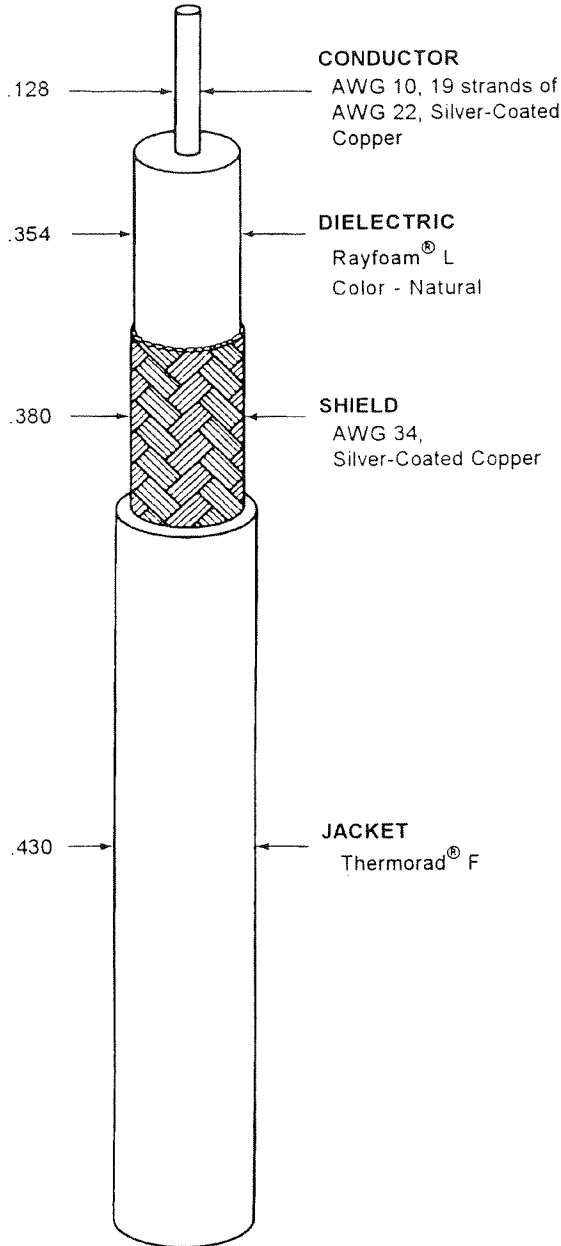
50 OHM, AWG 10,  
19 STRANDS OF AWG 22, COAXIAL CABLE

Date: 1-7-97  
Revision: D

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.



**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	50 ± 2 ohms, Method A
CAPACITANCE	25.7 pF/ft. (nominal)
VELOCITY OF PROPAGATION	79% (nominal)
ATTENUATION	4.0 dB/100 ft. (nominal) at 440 MHz

**ADDITIONAL REQUIREMENTS**

ELECTRICAL

CONDUCTOR RESISTANCE	.940 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms), 60 Hz
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms), (minimum)

ENVIRONMENTAL

AGING STABILITY	135° C/-55° C/12.00 inch mandrel
FLAMMABILITY	Method C
HEAT SHOCK	225° C
LOW TEMPERATURE- COLD BEND	-55° C/12.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms) for 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	800 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	100% (minimum)
TENSILE STRENGTH	2000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.025 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT 103. lbs/1000 ft. (nominal)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g 5010D1312-0) unless otherwise specified.

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

**Raychem**

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