

SPECIFICATION CONTROL DRAWING

5022D5311

CHEMINAX

50 OHM, AWG 22, 19 STRANDS OF AWG 34, TRIAXIAL CABLE

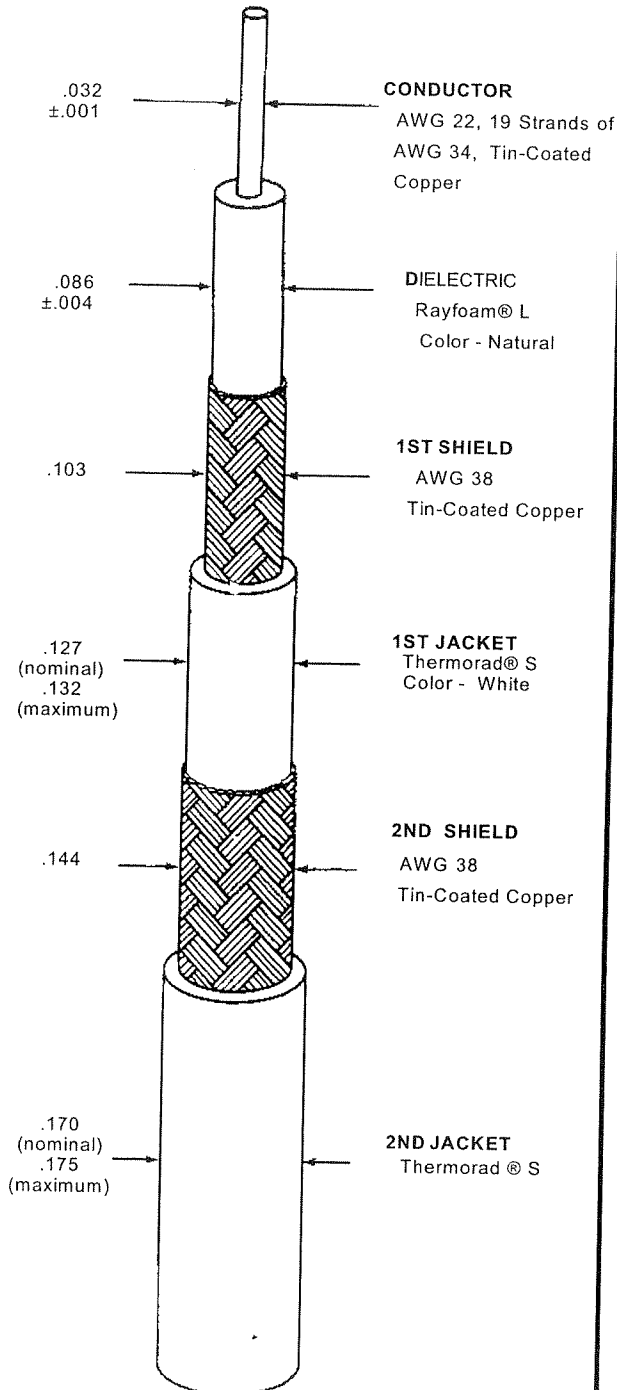
Date: 1-05-01

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	26.9 pF/ft. (nominal)
CAPACITANCE SHIELD TO SHIELD	200 pF/ft. (nominal) (for reference only)
VELOCITY OF PROPAGATION	76% (nominal)
ATTENUATION	25 dB/100 ft. (maximum) at 400 MHz

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	14.8 ohms/1000ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV
IMPULSE TEST	6.0 kV, (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	
CONDUCTOR TO SHIELD	1000 volts (minimum)
SHIELD TO SHIELD	500 volts (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method C
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/4.50 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in ² (minimum)
JACKET (EACH)	
ELONGATION	250% (minimum)
TENSILE STRENGTH	2000 lbf/in ² (minimum)
1st JACKET THICKNESS	.012 inch (nominal)
2nd JACKET THICKNESS	.010 inch (minimum)
	.013 inch (nominal)
SHIELD COVERAGE (EACH)	90% (minimum)

WEIGHT 22.4 lbs/1000 ft. (nominal)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 5022D5311-0) unless otherwise specified.

Designate outer jacket color with a dash 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.