

**SPECIFICATION CONTROL DRAWING**

**7524M1311**

**CHEMINAX**

75 OHM, AWG 24, 19 STRANDS OF AWG 36,  
COAXIAL CABLE

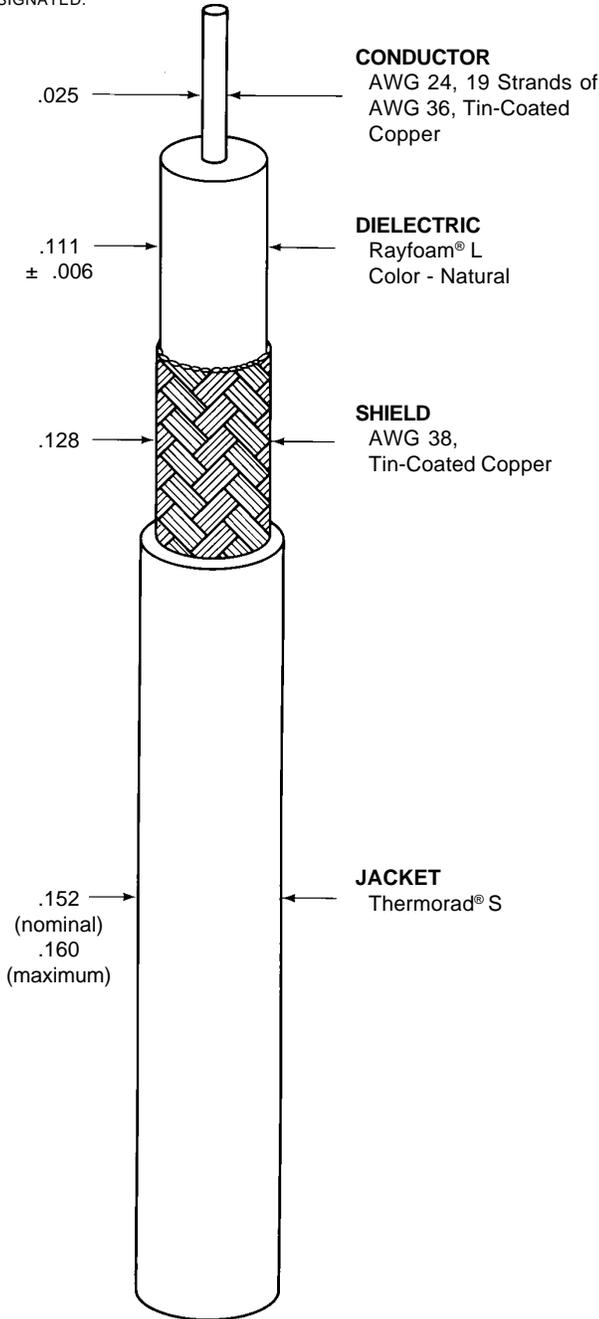
Date: 9-18-06  
Revision: A

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	75 ± 3 ohms, Method B
CAPACITANCE	17.2 pF/ft. (nominal) 19.0 pF/ft. (maximum) at 1 kHz
VELOCITY OF PROPAGATION	79% (nominal)

**ADDITIONAL REQUIREMENTS**

**ELECTRICAL**

CONDUCTOR RESISTANCE	24.8 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms)
IMPULSE TEST	6.0 kV (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	500 volts (rms) (minimum)

**ENVIRONMENTAL**

FLAMMABILITY	Method C
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/4.25 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

**PHYSICAL**

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	800 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	250% (minimum)
TENSILE STRENGTH	2000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.012 inch (nominal)
SHIELD COVERAGE	90% (minimum)

**SPOOLING INFORMATION**

MINIMUM LENGTH	2000 FEET
MINIMUM REEL SIZE	24 INCH WOOD

**NOTES:**

- Lumps, bumps and sparkouts are not to be cut out.
- Sparkouts are to be covered with masking tape.
- Finished cable neckdown (resulting from dielectric splices) are to be cut out.

WEIGHT	12.9 lbs/1000 ft. (nominal)
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Outer jacket color will be black (designated by a "0" appended to the part number, e.g., 7524M1311-0) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

*Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.*

*Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.*



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