

**CHEMINAX**

115 OHM, AWG 22, 19 STRANDS OF AWG 34,  
TWIN CONDUCTOR COAXIAL CABLE

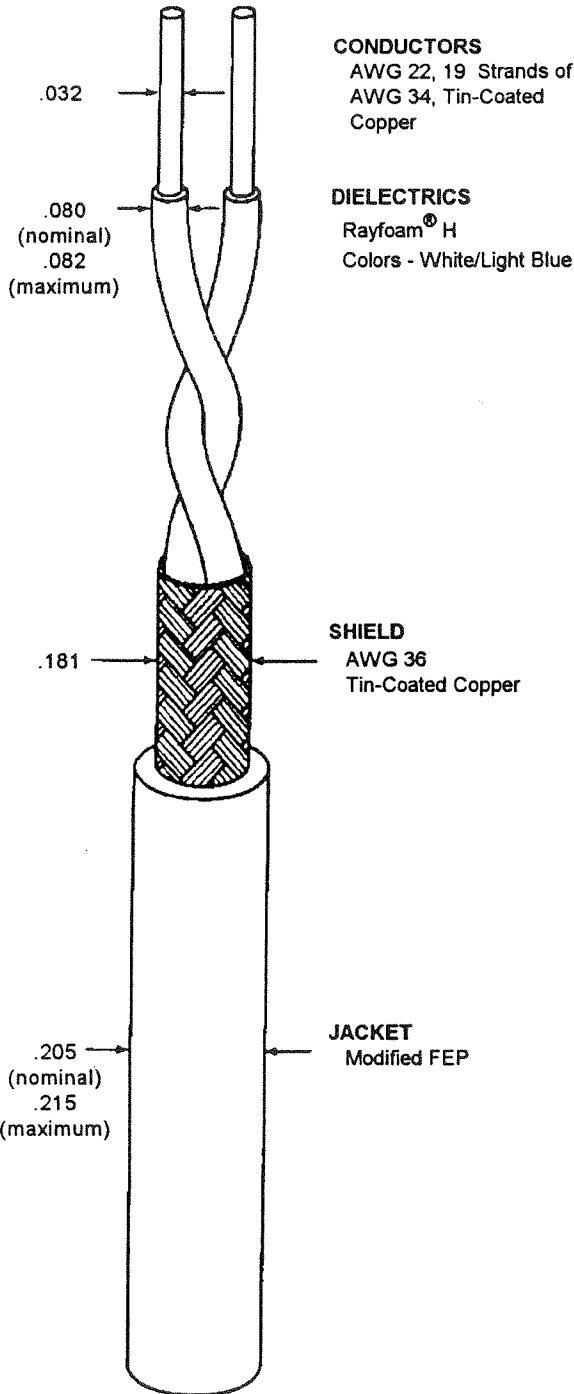
Date: 6-28-96  
Revision: A

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	115 ohms (nominal), Method C, at 1 MHz
CAPACITANCE - MUTUAL	12.5 pF/ft. (nominal)
- GROUNDED	24.0 pF/ft. (nominal) conductor to shield
VELOCITY OF PROPAGATION	79% (nominal)

**ADDITIONAL REQUIREMENTS**

ELECTRICAL

CONDUCTOR RESISTANCE	14.8 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/5.50 inch mandrel
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/5.50 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.012 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT	25.9 lbs/1000 ft. (nominal)
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Outer jacket will be transparent white (designated by a "-9X" appended to the part number, e.g., 1522E0421-9X) 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 HERIN. REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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