

**CHEMINAX**

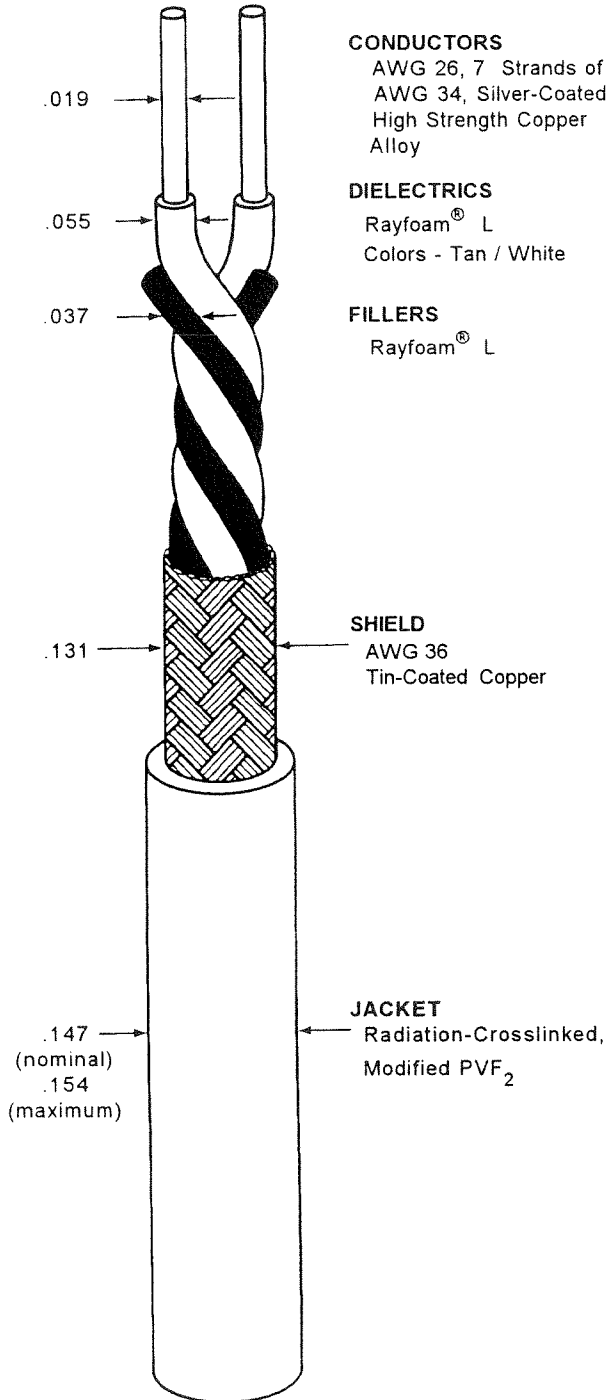
125 OHM, RADIO FREQUENCY, AWG 26, 7 STRANDS OF AWG 34,  
TWIN CONDUCTOR CABLE

Date: 8-7-96  
Revision: B

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



**CONDUCTORS**  
AWG 26, 7 Strands of  
AWG 34, Silver-Coated  
High Strength Copper  
Alloy

**DIELECTRICS**  
Rayfoam® L  
Colors - Tan / White

**FILLERS**  
Rayfoam® L

**SHIELD**  
AWG 36  
Tin-Coated Copper

**JACKET**  
Radiation-Crosslinked,  
Modified PVF<sub>2</sub>

**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	125 ± 15 ohms, Method C, at 1 MHz
CAPACITANCE - MUTUAL	11.0 pF/ft. (nominal)
VELOCITY OF PROPAGATION	75% (nominal)

**ADDITIONAL REQUIREMENTS**

ELECTRICAL

CONDUCTOR RESISTANCE	46.1 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/4.00 inch mandrel
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/4.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC) (Prior to Cabling)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	4000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.008 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT 14.6 lbs/1000 ft. (nominal)

Outer jacket will be white (designated by a "-9" appended to the part number, e.g., 2526D1114-9) unless otherwise specified.

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

**Raychem**

Raychem Corporation  
300 Constitution Drive  
Menlo Park, California 94025  
1-800-2 Raychem FAX: 1-415-361-6297

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