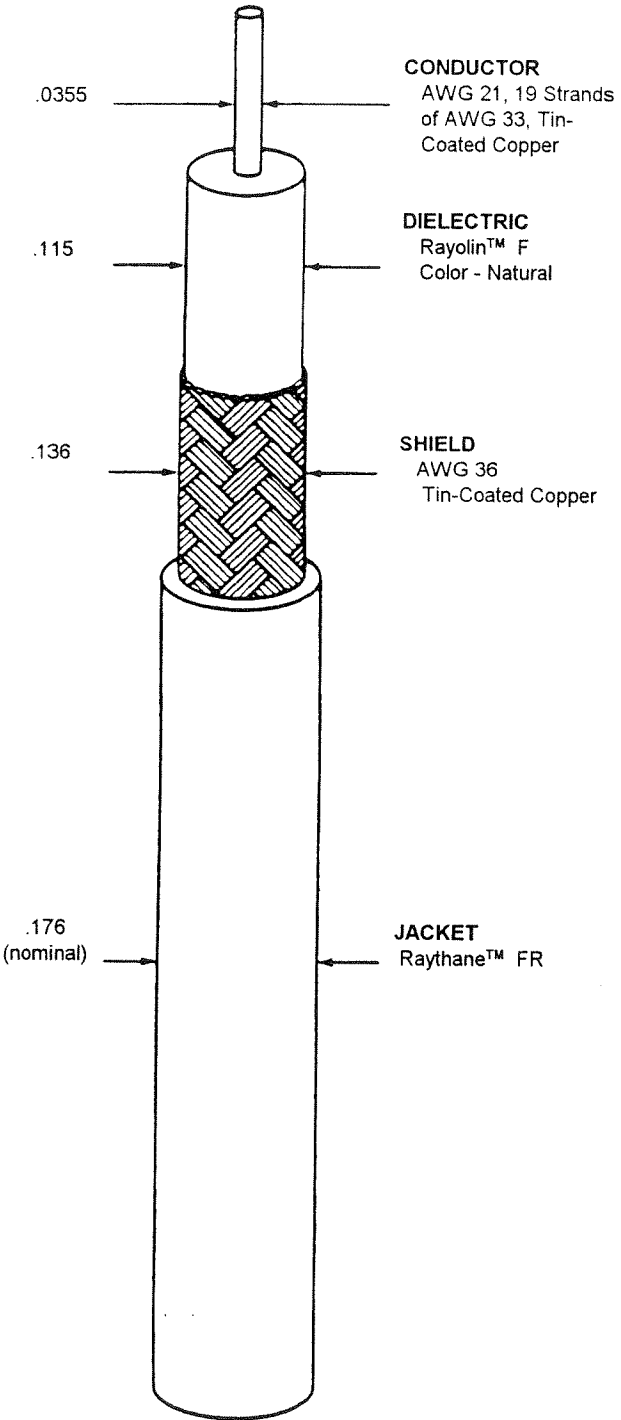


**CHEMINAX**

50 OHM, AWG 21, 19 STRANDS OF AWG 33,  
COAXIAL CABLE

Date: 3-15-94  
Revision: C

THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
<p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p>  <p><b>CONDUCTOR</b> AWG 21, 19 Strands of AWG 33, Tin-Coated Copper</p> <p><b>DIELECTRIC</b> Rayolin™ F Color - Natural</p> <p><b>SHIELD</b> AWG 36 Tin-Coated Copper</p> <p><b>JACKET</b> Raythane™ FR</p>	<p><b>CHARACTERISTIC IMPEDANCE</b> 50 ± 2 ohms, Method A</p> <p><b>CAPACITANCE</b> 31.3 pF/ft. (nominal)</p> <p><b>VELOCITY OF PROPAGATION</b> 65% (nominal)</p> <hr/> <p><b>ADDITIONAL REQUIREMENTS</b></p> <p><u><b>ELECTRICAL</b></u></p> <p>CONDUCTOR RESISTANCE 11.7 ohms/1000 ft. (nominal)</p> <p>INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.</p> <p>JACKET FLAWS</p> <p>SPARK TEST 1.0 kV (rms), 60 Hz</p> <p>IMPULSE TEST 6.0 kV (peak)</p> <p>VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum)</p> <p><u><b>ENVIRONMENTAL</b></u></p> <p>AGING STABILITY 100°C/-55°C/5.00 inch mandrel</p> <p>FLAMMABILITY Method B</p> <p>HEAT SHOCK 150°C</p> <p>LOW TEMPERATURE-COLD BEND -55°C/5.00 inch mandrel</p> <p><u><b>PHYSICAL</b></u></p> <p>INSULATION (DIELECTRIC)</p> <p>ELONGATION 200% (minimum)</p> <p>TENSILE STRENGTH 1800 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET</p> <p>ELONGATION 300% (minimum)</p> <p>TENSILE STRENGTH 2500 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET THICKNESS .020 inch (nominal)</p> <p>SHIELD COVERAGE 90% (minimum)</p> <p>VOLTAGE WITHSTAND (POST ENVIRONMENTAL) 1000 volts (rms), 1 minute</p> <p><b>WEIGHT</b> 20.8 lbs/1000 ft. (nominal)</p>

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 5021D1031-0) 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. PREVIOUS EDITIONS OF PREVIOUS EDITIONS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.