

## SPECIFICATION CONTROL DRAWING

9532A1314

**CHEMINAX**95 OHM, AWG 32, 7 STRANDS OF AWG 40,  
COAXIAL CABLE

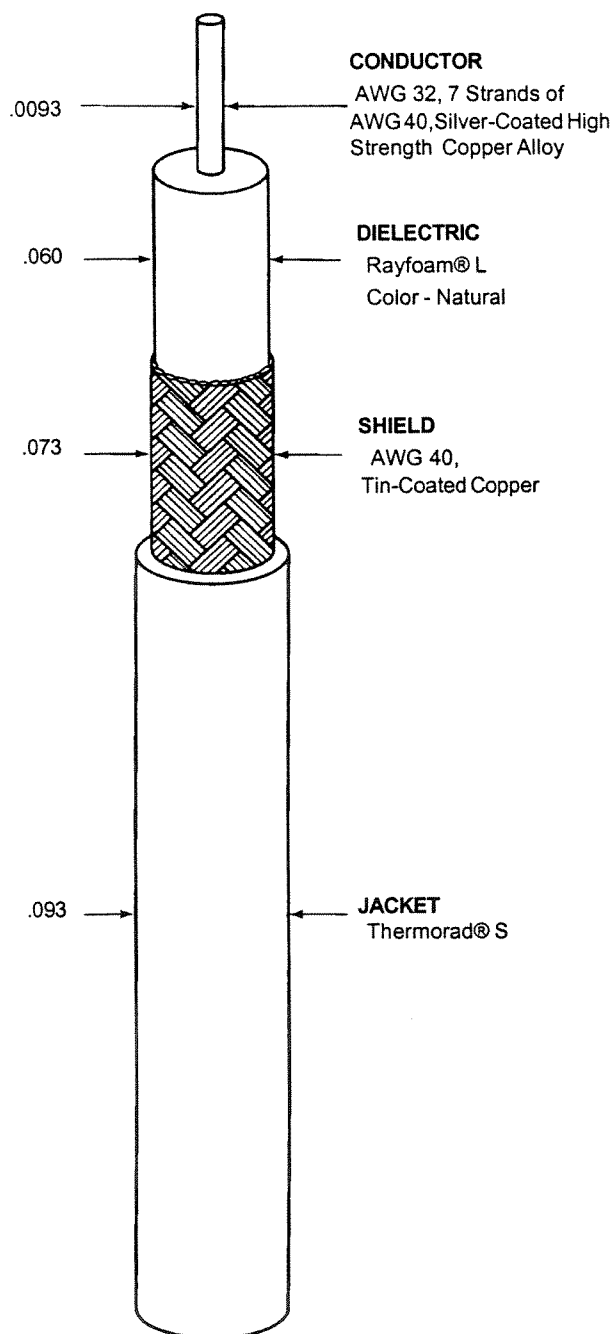
Date: 2-5-00

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.

**ELECTRICAL CHARACTERISTICS**

|                          |                                |
|--------------------------|--------------------------------|
| CHARACTERISTIC IMPEDANCE | 95 ± 5 ohms, Method B          |
| CAPACITANCE              | 13.5 pF/ft. (nominal) at 1 kHz |
| VELOCITY OF PROPAGATION  | 79% (nominal)                  |

**ADDITIONAL REQUIREMENTS****ELECTRICAL**

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| CONDUCTOR RESISTANCE              | 198. ohms/1000 ft. (nominal)             |
| INSULATION RESISTANCE             | 10,000 megohms (minimum)<br>for 1000 ft. |
| JACKET FLAWS                      |                                          |
| SPARK TEST                        | 1.0 kV (rms), 60 Hz                      |
| IMPULSE TEST                      | 6.0 kV (peak)                            |
| VOLTAGE WITHSTAND<br>(DIELECTRIC) | 1000 volts (rms), (minimum)              |

**ENVIRONMENTAL**

|                                           |                              |
|-------------------------------------------|------------------------------|
| AGING STABILITY                           | 135°C/-55°/2.50 inch mandrel |
| FLAMMABILITY                              | Method C                     |
| HEAT SHOCK                                | 225°C                        |
| LOW TEMPERATURE-<br>COLD BEND             | -55°C/2.50 inch mandrel      |
| VOLTAGE WITHSTAND<br>(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        | .010 inch (nominal)                |
| SHIELD COVERAGE         | 90% (minimum)                      |

WEIGHT

5.2 lbs/1000 ft (nominal)

Outer jacket color will be black (designated by a "0" appended to the part number, e.g., 9532A1314-0) unless otherwise specified.

esignate 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. REFER-  
ENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT  
ON DATE OF INVITATION FOR BID