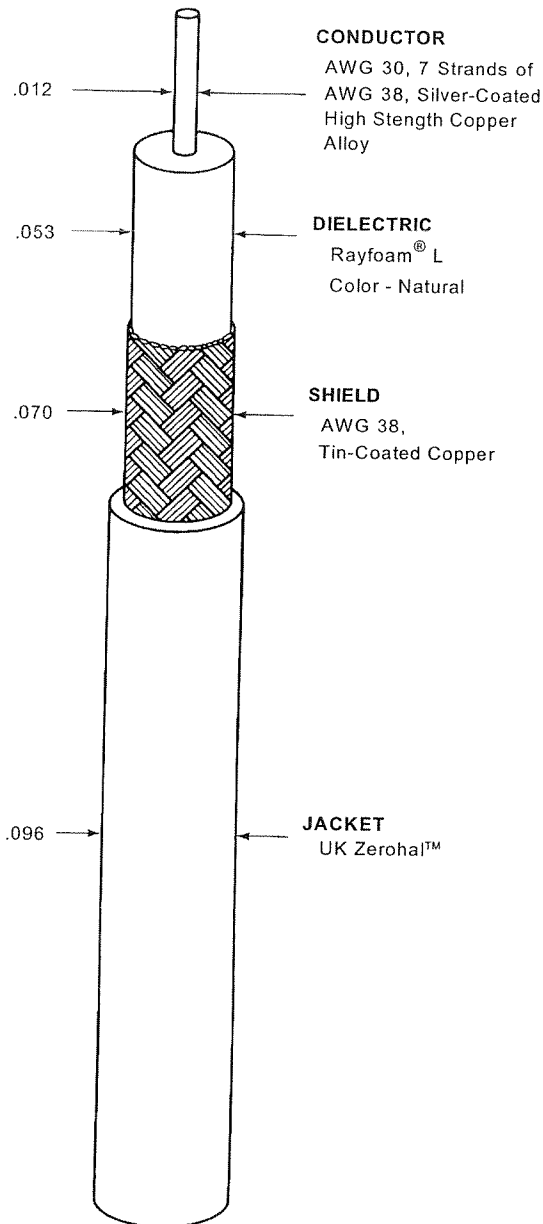


**CHEMINAX**75 OHM, AWG 30, 7 STRANDS OF AWG 38,  
COAXIAL CABLEDate: 11/27/01  
Revision:

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 | 75 ± 3 ohms, Method B          |
| CAPACITANCE              | 18.2 pF/ft. (nominal) at 1 kHz |
| VELOCITY OF PROPAGATION  | 75% (nominal)                  |

**ADDITIONAL REQUIREMENTS****ELECTRICAL**

|                                   |                                          |
|-----------------------------------|------------------------------------------|
| CONDUCTOR RESISTANCE              | 116. ohms/1000 ft. (nominal)             |
| INSULATION RESISTANCE             | 10,000 megohms (minimum)<br>for 1000 ft. |
| JACKET FLAWS                      |                                          |
| SPARK TEST                        | 1.0 kV (rms)                             |
| IMPULSE TEST                      | 6.0 kV (peak)                            |
| VOLTAGE WITHSTAND<br>(DIELECTRIC) | 1000 volts (rms) (minimum)               |

**ENVIRONMENTAL**

|                                           |                                |
|-------------------------------------------|--------------------------------|
| FLAMMABILITY                              | Method B                       |
| HEATSHOCK                                 | 225°C                          |
| LOW TEMPERATURE-<br>COLD BEND             | -30°C/2.75 inch mandrel        |
| VOLTAGE WITHSTAND<br>(POST ENVIRONMENTAL) | 1000 volts (rms), for 1 minute |

**PHYSICAL**

|                         |                        |
|-------------------------|------------------------|
| INSULATION (DIELECTRIC) |                        |
| ELONGATION              | 50% (minimum)          |
| TENSILE STRENGTH        | 1000 lbf/in² (minimum) |
| JACKET                  |                        |
| ELONGATION              | 150% (minimum)         |
| TENSILE STRENGTH        | 1200 lbf/in² (minimum) |
| JACKET THICKNESS        | .013 inch (nominal)    |
| SHIELD COVERAGE         | 90% (minimum)          |

|        |                            |
|--------|----------------------------|
| WEIGHT | 6.6 lbs/1000 ft. (nominal) |
|--------|----------------------------|

Outer jacket color will be black (designated by a "0" appended to the part number, e.g., 7530A1814-0) unless otherwise specified.

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

**Raychem**300 Constitution Drive  
Menlo Park, California 94025  
1-800-2 Raychem Fax: 1-650-361-6297THIS SPECIFICATION SHEET TAKES PRECEDENCE  
OVER DOCUMENTS REFERENCED HEREIN. REFERENCE  
DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT  
ON DATE OF INVITATION FOR BID.

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