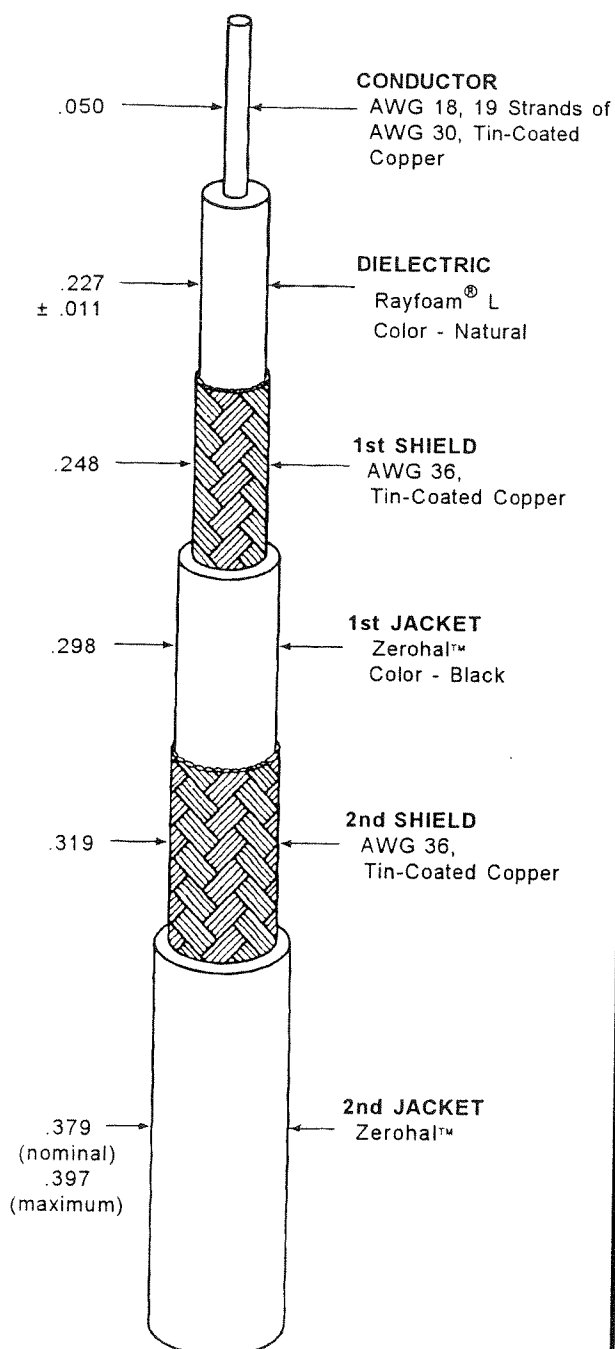


**CHEMINAX**75 OHM, AWG 18, 19 STRANDS OF AWG 30,  
TRIAxIAL CABLEDate: 8-1-97  
Revision: B

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 | 75 ± 3 ohms, Method B                  |
| CAPACITANCE              | 17.1 pF/ft. (nominal)                  |
| VELOCITY OF PROPAGATION  | 79% (nominal)                          |
| ATTENUATION              | 2.4 dB/100 ft. (maximum)<br>at 100 MHz |

**ADDITIONAL REQUIREMENTS****ELECTRICAL**

|                                |                                          |
|--------------------------------|------------------------------------------|
| CONDUCTOR RESISTANCE           | 6.07 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 (DIELECTRIC) |                                          |
| CONDUCTOR TO SHIELD            | 1000 volts (rms) (minimum)               |
| SHIELD TO SHIELD               | 500 volts (rms) (minimum)                |

**ENVIRONMENTAL**

|                                           |                                |
|-------------------------------------------|--------------------------------|
| FLAMMABILITY                              | Method B                       |
| HEAT SHOCK                                | 225°C                          |
| LOW TEMPERATURE-<br>COLD BEND             | -30°C/10.00 inch mandrel       |
| VOLTAGE WITHSTAND<br>(POST ENVIRONMENTAL) | 1000 volts (rms), for 1 minute |

**PHYSICAL**

|                         |                        |
|-------------------------|------------------------|
| INSULATION (DIELECTRIC) |                        |
| ELONGATION              | 50% (minimum)          |
| TENSILE STRENGTH        | 800 lbf/in² (minimum)  |
| JACKET (EACH)           |                        |
| ELONGATION              | 150% (minimum)         |
| TENSILE STRENGTH        | 1200 lbf/in² (minimum) |
| 1st JACKET THICKNESS    | .025 inch (nominal)    |
| 2nd JACKET THICKNESS    | .030 inch (nominal)    |
| SHIELD COVERAGE (EACH)  | 90% (minimum)          |

WEIGHT

88.7 lbs/1000 ft. (nominal)

Outer jacket color will be black designated by a "0" appended to the part number, e.g. 7518A5811-0 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: 1-415-361-6297THIS SPECIFICATION SHEET TAKES PRECEDENCE  
OVER DOCUMENTS REFERENCED HEREIN. REFERENCE  
DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT  
ON DATE OF INVITATION FOR BID.