

**CHEMINAX**

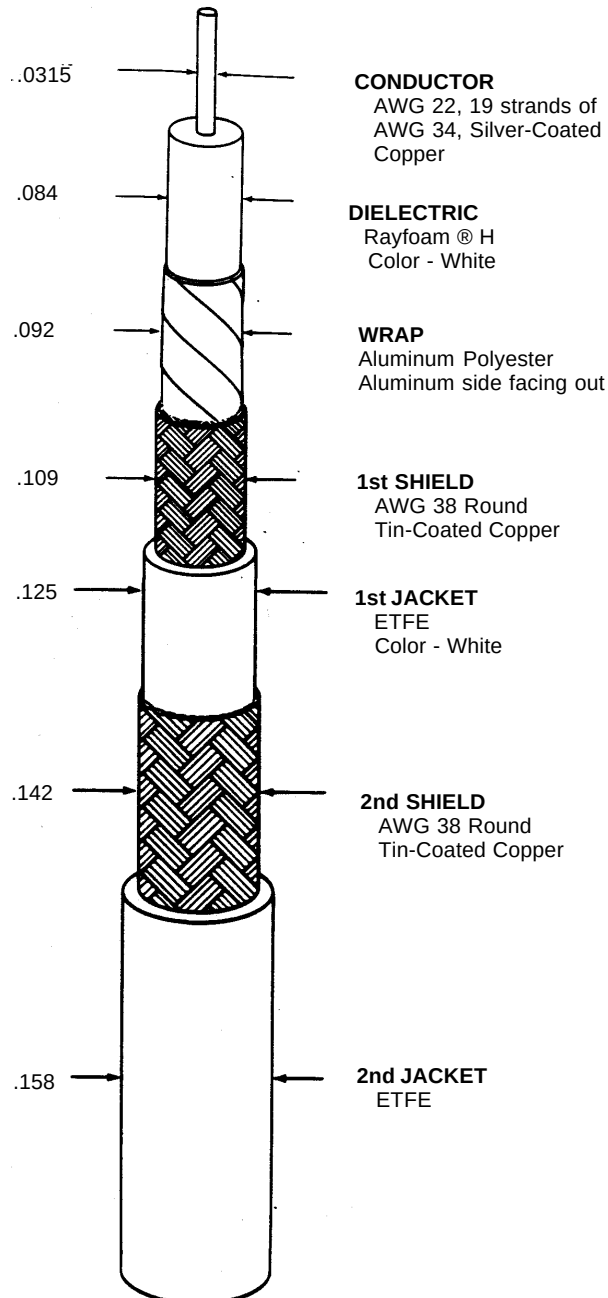
50 OHM, AWG 22, 19 STRANDS OF 34 AWG, COAXIAL CABLE

Date: 12-13-05  
Revision: E

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

Page 1 of 2  
Page 2 is for Internal use only.**CONSTRUCTION DETAILS****ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 5022N5522-9) unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

|                          |                                   |
|--------------------------|-----------------------------------|
| CHARACTERISTIC IMPEDANCE | 50 ± 2 ohms, Method A             |
| CAPACITANCE              | 26.0 pF/ft. (nominal)             |
| VELOCITY OF PROPAGATION  | 78% (nominal)                     |
| ATTENUATION              | 2.0 dB/100 ft (nominal) at 10 MHz |

**ADDITIONAL REQUIREMENTS****ELECTRICAL**

|                                                |                                          |
|------------------------------------------------|------------------------------------------|
| CONDUCTOR RESISTANCE                           | 14.4 ohms/1000 ft. (nominal)             |
| INSULATION RESISTANCE<br>(CONDUCTOR TO SHIELD) | 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)              |                                          |
| CONDUCTOR TO SHIELD                            | 1000 volts (rms) (minimum)               |
| SHIELD TO SHIELD                               | 500 volts (rms) (minimum)                |

**ENVIRONMENTAL**

|                                           |                            |
|-------------------------------------------|----------------------------|
| FLAMMABILITY                              | Method B                   |
| LOW TEMPERATURE-<br>COLD BEND             | -55°C/4.25 inch mandrel    |
| VOLTAGE WITHSTAND<br>(POST ENVIRONMENTAL) | 1000 volts (rms), 1 minute |

**PHYSICAL**

|                         |                                    |
|-------------------------|------------------------------------|
| INSULATION (DIELECTRIC) |                                    |
| ELONGATION              | 50% (minimum)                      |
| TENSILE STRENGTH        | 600 lbf/in <sup>2</sup> (minimum)  |
| JACKET (EACH)           |                                    |
| ELONGATION              | 150% (minimum)                     |
| TENSILE STRENGTH        | 5000 lbf/in <sup>2</sup> (minimum) |
| JACKET THICKNESS (EACH) | .008 inch (nominal)                |
| SHIELD COVERAGE (EACH)  | 90% (minimum)                      |

|        |                             |
|--------|-----------------------------|
| WEIGHT | 23.1 lbs/1000 ft. (nominal) |
|--------|-----------------------------|

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.

Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

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1-800-227-8816 Fax: 1-650-361-6297THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.  
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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**FOR EMBRAER INFORMATION ONLY**

Minimum Bend Radius (for non-flexing applications only): 5x the finished cable diameter

Note: If wrinkling occurs on inside of bend, cable should be replaced.