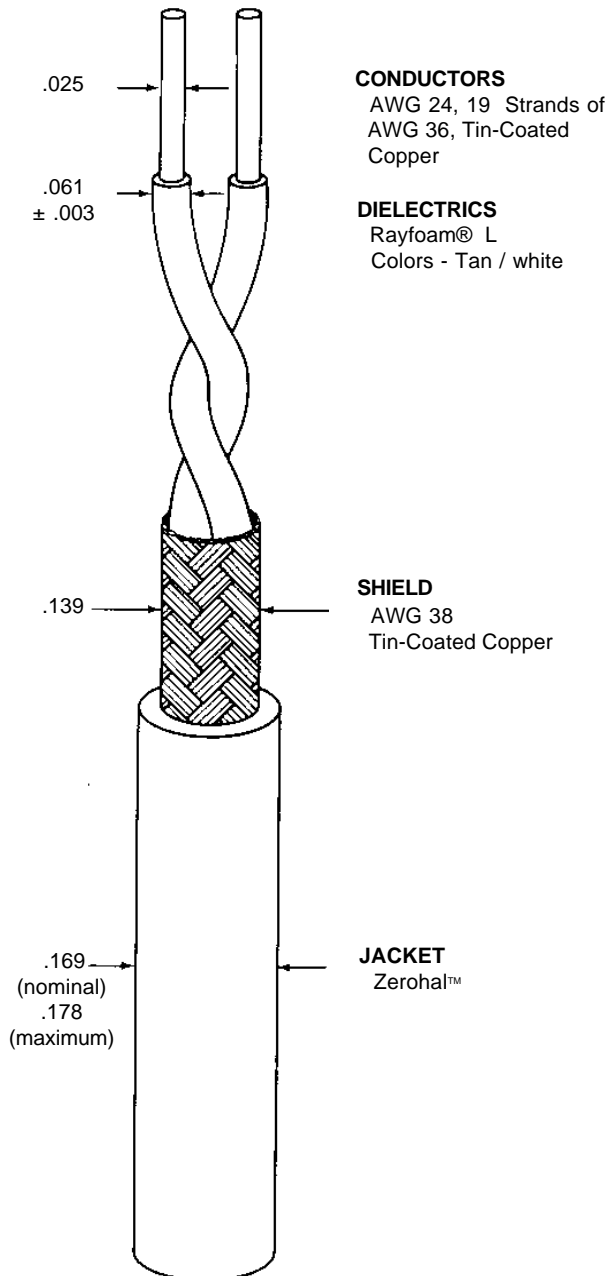


CHEMINAX100 OHM, RADIO FREQUENCY, AWG 24, 19 STRANDS OF AWG 36, TWIN CONDUCTOR CABLE
Date: 10-3-05
Revision: E

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 | 100 ± 10 ohms, Method B |
| CAPACITANCE - MUTUAL | 13.2 pF/ft. (nominal) 14.0 pF/ft. (maximum) |
| VELOCITY OF PROPAGATION | 77% (nominal) |

ADDITIONAL REQUIREMENTS**ELECTRICAL**

| | |
|-----------------------------------|--|
| CONDUCTOR RESISTANCE | 25.0 ohms/1000 ft. (nominal) |
| INSULATION RESISTANCE | 10,000 megohms (minimum) for 1000 ft. |
| JACKET FLAWS | |
| SPARK TEST | 1.0 kV (rms) |
| IMPULSE TEST | 6.0 kV, (peak) |
| VOLTAGE WITHSTAND (DIELECTRIC) | 1000 volts (rms) (minimum) |

ENVIRONMENTAL

| | |
|-------------------------------|-------------------------|
| FLAMMABILITY | Method B |
| HEAT SHOCK | 225°C |
| LOW TEMPERATURE- COLD BEND | -30°C/4.50 inch mandrel |

PHYSICAL

| | |
|---|------------------------------------|
| INSULATION (DIELECTRIC) (Prior to cabling) | |
| ELONGATION | 50% (minimum) |
| TENSILE STRENGTH | 800 lbf/in ² (minimum) |
| JACKET | |
| ELONGATION | 150% (minimum) |
| TENSILE STRENGTH | 1200 lbf/in ² (minimum) |
| JACKET THICKNESS | .015 inch (nominal) |
| SHIELD COVERAGE | 90% (minimum) |

| | |
|--------|-----------------------------|
| WEIGHT | 16.3 lbs/1000 ft. (nominal) |
|--------|-----------------------------|

Outer jacket will be black (designated by a "-0" appended to the part number, e.g., 0024E0811-0) 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.

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.

tyco
Electronics**Raychem**
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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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