SPECIFICATION CONTROL DRAWING

5012A3311

CHEMINAX

.260

.281

.337

50 OHM, AWG 12, 37 STRANDS OF AWG 28, COAXIAL CABLE

3-4-13 Date Revision Ε

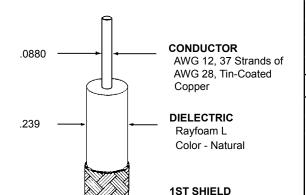
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A **CAPACITANCE** 26.0 pF/ft. (nominal) VELOCITY OF PROPAGATION 78% (nominal)



AWG 36,

2ND SHIELD

AWG 36.

JACKET

Thermorad F

Tin-Coated Copper

Tin-Coated Copper

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE 1.89 ohms/1000 ft. (nominal) INSULATION RESISTANCE 10,000 megohms (minimum)

for 1000 ft.

JACKET FLAWS SPARK TEST

1.0 kV (rms) 6.0 kV (peak)

IMPULSE TEST

1000 volts (rms) (minimum)

VOLTAGE WITHSTAND (DIELECTRIC)

ENVIRONMENTAL

FLAMMABILITY Method C **HEAT SHOCK** 225°C

LOW TEMPERATURE-COLD BEND **VOLTAGE WITHSTAND** (Post Environmental)

-55°C/9.00 inch mandrel 1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)

ELONGATION 50% (minimum) TENSILE STRENGTH 1000 lbf/in² (minimum)

JACKET

ELONGATION 100% (minimum) TENSILE STRENGTH 2000 lbf/in2 (minimum) JACKET THICKNESS .023 inch (minimum) .028 inch (nominal)

SHIELD COVERAGE (EACH) 90% (minimum)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5012A3311-0) 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.

WEIGHT 76.9 lbs/1000 ft. (nominal)

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