SPECIFICATION CONTROL DRAWING

5028A1311

CHEMINAX 50 OHM, AWG 28, 7 STRANDS OF AWG 36, 9-23-05 Date: COAXIAL CABLE Revision: В THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200. **ELECTRICAL CHARACTERISTICS** CONSTRUCTION DETAILS DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A CAPACITANCE 28.3 pF/ft. (nominal) CONDUCTOR **VELOCITY OF PROPAGATION** 74% (nominal) AWG 28, 7 Strands .015 of AWG 36, Tin-Coated Copper DIELECTRIC .036 Rayfoam® L ADDITIONAL REQUIREMENTS Color - Natural ELECTRICAL CONDUCTOR RESISTANCE 68.2 ohms/1000 ft. (nominal) SHIELD INSULATION RESISTANCE 10,000 megohms (minimum) .053 AWG 38 for 1000 ft. **Tin-Coated Copper** JACKET FLAWS **SPARK TEST** 1.0 kV (rms) **IMPULSETEST** 6.0 kV (peak) **VOLTAGE WITHSTAND** 1000 volts (rms) (minimum) (DIELECTRIC) ENVIRONMENTAL FLAMMABILITY Method C **HEAT SHOCK** 225°C LOW TEMPERATURE--55°C/2.00 inch mandrel **COLD BEND** JACKET Thermorad® S .071 PHYSICAL INSULATION (DIELECTRIC) **ELONGATION** 50% (minimum) **TENSILE STRENGTH** 1000 lbf/in² (minimum) JACKET 200% (minimum) **ELONGATION TENSILE STRENGTH** 2000 lbf/in² (minimum) **JACKETTHICKNESS** .007 inch (minimum) .009 inch (nominal) **SHIELD COVERAGE** 90% (minimum) Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 5028A1311-0) 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 4.2 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. THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. UCO 501 Oakside Avenue Raychem

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REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.