CHEMINAX Date: 10-2-06 95 OHM, AWG 30, 7 STRANDS OF AWG 38, Revision: TRIAXIAL CABLE, OUTER SPACE USE Е 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 95 ± 5 ohms, Method B CAPACITANCE 13.7 pF/ft. (nominal) at 1 kHz CONDUCTOR VELOCITY OF PROPAGATION 78% (nominal) AWG 30, 7 Strands of .012 AWG 38, Silver-Coated High Strength Copper Alloy DIELECTRIC Rayfoam[®] L .081 ADDITIONAL REQUIREMENTS Color - Natural ELECTRICAL CONDUCTOR RESISTANCE 116. ohms/1000 ft. (nominal) **1ST SHIELD** 10,000 megohms (minimum) INSULATION RESISTANCE AWG 40. .094 for 1000 ft. (CONDUCTOR TO SHIELD) Tin-Coated Copper JACKET FLAWS SPARK TEST 1.0 kV (rms) **IMPULSE TEST** 6.0 kV (peak) VOLTAGE WITHSTAND (DIELECTRIC) **1ST JACKET** CONDUCTOR TO SHIELD 1000 volts (rms) (minimum) Radiation-Crosslinked, .110 SHIELD TO SHIELD 500 volts (rms) (minimum) Modified PVF₂ Color - White ENVIRONMENTAL FLAMMABILITY Method B HEAT SHOCK 225°C 2ND SHIELD LOW TEMPERATURE--55°C/3.75 inch mandrel .123 AWG 40, COLD BEND **Tin-Coated Copper** VOLTAGE WITHSTAND 1000 volts (rms), for 1 minute (POST ENVIRONMENTAL) **OUTER SPACE REQUIREMENTS** RADIATION RESISTANCE 500 megarads/4.25 inch mandrel VACUUM STABILITY TOTAL MASS LOSS (TML) 1.0% (maximum) VOLATILE CONDENSABLE 0.1% (maximum) MATERIAL (VCM) **2ND JACKET** .139 Radiation-Crosslinked, Modified PVF 2 PHYSICAL INSULATION (DIELECTRIC) ELONGATION 50% (minimum) **TENSILE STRENGTH** 800 lbf/in² (minimum) JACKET (EACH) ELONGATION 200% (minimum) **TENSILE STRENGTH** 4000 lbf/in² (minimum) JACKET THICKNESS (EACH) .008 inch (nominal) Outer jacket color will be white (designated by a "-9" appended to SHIELD COVERAGE (EACH) 90% (minimum) the part number, e.g. 9530F5214-9) 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 WEIGHT 14.9 lbs/1000 ft. (nominal) imposed by the purchase order.

SPECIFICATION CONTROL DRAWING

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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THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

9530F5214