

SPECIFICATION CONTROL DRAWING

5022D5311

CHEMINAX

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

Date: 1-05-01
Revision: D

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

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
<p><small>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</small></p>	
<p>CONDUCTOR AWG 22, 19 Strands of AWG 34, Tin-Coated Copper</p> <p>DIELECTRIC Rayfoam® L Color - Natural</p> <p>1ST SHIELD AWG 38 Tin-Coated Copper</p> <p>1ST JACKET Thermorad® S Color - White</p> <p>2ND SHIELD AWG 38 Tin-Coated Copper</p> <p>2ND JACKET Thermorad® S</p>	<p>CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A</p> <p>CAPACITANCE 26.9 pF/ft. (nominal)</p> <p>CAPACITANCE SHIELD TO SHIELD 200 pF/ft. (nominal) (for reference only)</p> <p>VELOCITY OF PROPAGATION 76% (nominal)</p> <p>ATTENUATION 25 dB/100 ft. (maximum) at 400 MHz</p>
<p>ADDITIONAL REQUIREMENTS</p>	
<p>ELECTRICAL</p> <p>CONDUCTOR RESISTANCE 14.8 ohms/1000ft. (nominal)</p> <p>INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.</p> <p>JACKET FLAWS SPARK TEST 1.0 kV</p> <p>IMPULSE TEST VOLTAGE WITHSTAND 6.0 kV, (peak)</p> <p>(DIELECTRIC) CONDUCTOR TO SHIELD 1000 volts (minimum)</p> <p>SHIELD TO SHIELD 500 volts (minimum)</p>	
<p>ENVIRONMENTAL</p> <p>FLAMMABILITY Method C</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE- COLD BEND -55°C/4.50 inch mandrel</p> <p>VOLTAGE WITHSTAND (POST ENVIRONMENTAL) 1000 volts (rms), 1 minute</p>	
<p>PHYSICAL</p> <p>INSULATION (DIELECTRIC) ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH JACKET (EACH) 1000 lbf/in² (minimum)</p> <p>ELONGATION TENSILE STRENGTH 1st JACKET THICKNESS 250% (minimum)</p> <p>2nd JACKET THICKNESS 2000 lbf/in² (minimum)</p> <p>SHIELD COVERAGE (EACH) .012 inch (nominal)</p> <p>.010 inch (minimum)</p> <p>.013 inch (nominal)</p> <p>90% (minimum)</p>	
<p>WEIGHT 22.4 lbs/1000 ft. (nominal)</p>	

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g., 5022D5311-0) unless otherwise specified. Designate outer jacket color with a dash in accordance with MIL-STD-681.

Raychem

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