

SPECIFICATION CONTROL DRAWING

5010D1312

CHEMINAX

50 OHM, AWG 10,
19 STRANDS OF AWG 22, COAXIAL CABLE

Date: 1-7-97
Revision: D

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.			
<p>CONDUCTOR AWG 10, 19 strands of AWG 22, Silver-Coated Copper</p> <p>DIELECTRIC Rayfoam® L Color - Natural</p> <p>SHIELD AWG 34, Silver-Coated Copper</p> <p>JACKET Thermorad® F</p>		<p>CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A</p> <p>CAPACITANCE 25.7 pF/ft. (nominal)</p> <p>VELOCITY OF PROPAGATION 79% (nominal)</p> <p>ATTENUATION 4.0 dB/100 ft. (nominal) at 440 MHz</p>	
ADDITIONAL REQUIREMENTS			
ELECTRICAL			
<p>CONDUCTOR RESISTANCE</p> <p>INSULATION RESISTANCE</p>		<p>.940 ohms/1000 ft. (nominal)</p> <p>10,000 megohms (minimum) for 1000 ft.</p>	
<p>JACKET FLAWS</p> <p>SPARK TEST</p> <p>IMPULSE TEST</p> <p>VOLTAGE WITHSTAND (DIELECTRIC)</p>		<p>1.0 kV (rms), 60 Hz</p> <p>6.0 kV (peak)</p> <p>1000 volts (rms), (minimum)</p>	
ENVIRONMENTAL			
<p>AGING STABILITY</p> <p>FLAMMABILITY</p> <p>HEAT SHOCK</p> <p>LOW TEMPERATURE-</p> <p>COLD BEND</p> <p>VOLTAGE WITHSTAND (POST ENVIRONMENTAL)</p>		<p>135° C/-55°C/12.00 inch mandrel</p> <p>Method C</p> <p>225°C</p> <p>-55°C/12.00 inch mandrel</p> <p>1000 volts (rms) for 1 minute</p>	
PHYSICAL			
<p>INSULATION (DIELECTRIC)</p> <p>ELONGATION</p> <p>TENSILE STRENGTH</p> <p>JACKET</p> <p>ELONGATION</p> <p>TENSILE STRENGTH</p> <p>JACKET THICKNESS</p> <p>SHIELD COVERAGE</p>		<p>50% (minimum)</p> <p>800 lb/ft.² (minimum)</p> <p>100% (minimum)</p> <p>2000 lb/ft.² (minimum)</p> <p>.025 inch (nominal)</p> <p>90% (minimum)</p>	
<p>Outer jacket color will be black (designated by a "-0" appended to the part number, e.g 5010D1312-0) unless otherwise specified.</p> <p>Designate outer jacket color with a dash number in accordance with MIL-STD-681</p>		<p>103. lbs/1000 ft. (nominal)</p>	

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Designate outer jacket color with a dash number in accordance with MIL-STD-681

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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