

SPECIFICATION CONTROL DRAWING

5026A1664

CHEMINAX

50 OHM, AWG 26, 19 STRANDS OF AWG 38,
TWIN CONDUCTOR CABLE

Date: 3-15-99
Revision: B

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.			
CONDUCTORS AWG 26, 19 Strands of AWG 38, Silver-Coated High Strength Copper Alloy DIELECTRICS Radiation-Crosslinked, Modified ETFE Color - Light Blue/White SHIELD AWG 38, Silver-Coated Copper JACKET Radiation-Crosslinked, Modified ETFE		CHARACTERISTIC IMPEDANCE 50 ± 7 ohms, Balanced Impedance, Method C at 1 MHz CAPACITANCE - MUTUAL 41.5 pF/ft. (maximum) ATTENUATION 2.5 dB/100 ft. (nominal) at 1 MHz 8.3 dB/100 ft. (nominal) at 10 MHz	
		ADDITIONAL REQUIREMENTS	
COMPONENT WIRE PRIOR TO CABLING (Test Procedure Per MIL-W-22759) ACCELERATED AGING (Per MIL-W-22759 Life Cycle Procedure) LOW TEMPERATURE-COLD BEND SHRINKAGE INSULATION RESISTANCE INSULATION (DIELECTRIC) TENSILE STRENGTH ELONGATION IMPULSE DIELECTRIC TEST FINISHED CABLE (Test Procedure Per MIL-DTL-27500) BLOCKING LOW TEMPERATURE-COLD BEND CROSSLINKED VERIFICATION FLAMMABILITY (Per Raychem Spec 55A, Procedure 1) JACKET FLAWS SPARK TEST IMPULSE TEST JACKET TENSILE STRENGTH ELONGATION SHIELD COVERAGE JACKET THICKNESS VOLTAGE WITHSTAND (DIELECTRIC)		300 ± 3°C for 1 hour, .500 inch mandrel, .125 lb. 2.5 kV dielectric test -65 ± 2°C for 4 hours, .500 inch mandrel, .500 lb. 2.5 kV dielectric test 200 ± 3°C for 1 hour, .125 inch (maximum) in 12.0 inches 5000 megohms for 1000 ft. (minimum) 5000 lb/ft.² (minimum) 50% (minimum) 8.0 kV (peak), 100% test 200°C for 6 hours -55 ± 5°C for 4 hours, 3.00 inch mandrel 300 ± 5°C for 6 hours, 3.00 inch mandrel 3 seconds (maximum); 3.0 inches (maximum); no flaming of facial tissue 1000 volts, 60 Hz, 100% test 6.0 kV (peak) 5000 lb/ft.² (minimum) 50% (minimum) 90% (minimum) .008 inch thick (nominal) 1000 volts (rms) (minimum)	
Outer jacket color will be white (designated by a "-g" appended to the part number, e.g., 5026A1664-g) unless otherwise specified. Designate outer jacket color with a dash number in accordance with MIL-STD-681		The length of lay shall be .75 inches (nominal) WEIGHT 6.7 lbs/1000 ft. (nominal)	

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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.