

SPECIFICATION CONTROL DRAWING

0024A0021

CHEMINAX

100 OHM, AWG 24, 19 STRANDS OF AWG 36, RADIO FREQUENCY,
TWO CONDUCTOR CABLE

Date: 10-1-96
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.			
CONDUCTOR AWG 24, 19 Strands of AWG 36, Tin-Coated Copper		CHARACTERISTIC IMPEDANCE 100 ± 8 ohms, Method C at 1 MHz	
DIELECTRIC Rayfoam® H Colors - White/ Light Blue		CAPACITANCE - MUTUAL 13.5 pF/ft. (nominal)	
FILLERS Radiation-Crosslinked Modified ETFE		VELOCITY OF PROPAGATION 76% (nominal)	
SHIELD AWG 38, Tin-Coated Copper		CAPACITANCE UNBALANCE 3% (nominal)	
JACKET Modified FEP			
		ADDITIONAL REQUIREMENTS	
		ELECTRICAL	
		CONDUCTOR RESISTANCE 24.8 ohms/1000 ft. (nominal)	
		INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.	
		JACKET FLAWS	
		SPARK TEST 1.0 kV (rms), 60 Hz	
		IMPULSE TEST 6.0 kV, (peak)	
		VOLTAGE WITHSTAND 1000 volts (rms), (minimum)	
		(DIELECTRIC)	
		LOOP RESISTANCE 60 ohms/1000 ft. (nominal)	
		ENVIRONMENTAL	
		AGING STABILITY 135°C/-55°C/3.75 inch mandrel	
		FLAMMABILITY Method B	
		HEAT SHOCK 225°C	
		LOW TEMPERATURE- -55°C/3.75 inch mandrel	
		COLD BEND	
		PHYSICAL	
		INSULATION (DIELECTRIC) (Prior to cabling)	
		ELONGATION 50% (minimum)	
		TENSILE STRENGTH 600 lb/f/in² (minimum)	
		JACKET	
		ELONGATION 200% (minimum)	
		TENSILE STRENGTH 2000 lb/f/in² (minimum)	
		JACKET THICKNESS .010 inch (nominal)	
		SHIELD COVERAGE 90% (minimum)	
		LOOP-RESISTANCE 60 ohms/1000 ft. (nominal)	
		WEIGHT	
		17.3 lbs/1000 ft. (nominal)	

Outer jacket color will be transparent white (designated by a "-9X" appended to the part number, e.g. 0024A0021-9X) unless otherwise specified.

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

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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.