

SPECIFICATION CONTROL DRAWING			2022B4424
CHEMINAX	120 OHM, AWG 22, 19 STRANDS OF AWG 34, TWINAXIAL CABLE	Date	6-20-11
		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. 		CHARACTERISTIC IMPEDANCE 120 ± 10 ohms, Method D at 1 MHz MUTUAL CAPACITANCE 12.7 pF/ft. (nominal) 18.2 pF/ft. (maximum) VELOCITY OF PROPAGATION 77% (nominal)	
CONDUCTORS AWG 22, 19 Strands of AWG 34, Silver-Coated High-Strength Copper Alloy		ADDITIONAL REQUIREMENTS	
DIELECTRICS Rayfoam H Colors - Light Blue/White			
FILLERS Radiation-Crosslinked, Modified ETFE		ELECTRICAL	
1ST SHIELD Flat, .0015 strand thickness Silver-Coated Copper		CONDUCTOR RESISTANCE 17.3 ohms/1000 ft. (nominal) INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.	
2ND SHIELD AWG 38, Silver-Coated Copper		JACKET FLAWS SPARK TEST 1.0 kV (rms) IMPULSE TEST 6.0 kV (peak)	
JACKET Modified FEP		VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum)	
Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 2022B4424-9) unless otherwise specified.		ENVIRONMENTAL	
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 imposed by the purchase order.		FLAMMABILITY Method B HEAT SHOCK 225°C LOW TEMPERATURE-COLD BEND -55°C/5.50 inch mandrel VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute	
		PHYSICAL	
		INSULATION (DIELECTRIC) (prior to cabling) 50% (minimum) ELONGATION 600 lbf/in ² (minimum) TENSILE STRENGTH	
		JACKET ELONGATION 200% (minimum) TENSILE STRENGTH 2000 lbf/in ² (minimum)	
		1st SHIELD COVERAGE 92% (minimum) 2nd SHIELD COVERAGE 90% (minimum)	
		JACKET THICKNESS .007 inch (minimum) .010 inch (nominal)	
		WEIGHT 30.2 lbs/1000 ft. (nominal)	
Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.			
Page 1 of 1	Raychem, Rayfoam, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.		



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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.