

SPECIFICATION CONTROL DRAWING			7724A1424
CHEMINAX	77 OHM, AWG 24, 19 STRANDS OF AWG 36, DATA BUS CABLE, OPTIMIZED SHIELD	Date	3-26-12
		Revision	A
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 24, 19 Strands of AWG 36, Silver-Coated High-Strength Copper Alloy DIELECTRICS Rayfoam H Color - Light Blue/White FILLERS Radiation-Crosslinked, Modified ETFE SHIELD AWG 38, Silver-Coated High-Strength Copper Alloy, Optimized JACKET Modified FEP		CHARACTERISTIC IMPEDANCE 77 ± 5 ohms, Method C at 1 MHz MUTUAL CAPACITANCE 18 pF/ft. (nominal) ATTENUATION 1.4 dB/100 ft. (maximum) at 1 MHz VELOCITY OF PROPAGATION 76% (nominal) SURFACE TRANSFER IMPEDANCE TBD	
		ADDITIONAL REQUIREMENTS	
		ELECTRICAL	
		CONDUCTOR RESISTANCE (prior to cabling) 26.5 ohms/1000 ft. (nominal) INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft. JACKET FLAWS SPARK TEST 1.0 kV (rms) IMPULSE TEST 6.0 kV (peak) VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum)	
		ENVIRONMENTAL	
		FLAMMABILITY Method B HEAT SHOCK 225°C LOW TEMPERATURE-COLD BEND -55°C/3.25 inch mandrel VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute	
		PHYSICAL	
		INSULATION (DIELECTRIC) (prior to cabling) ELONGATION 50% (minimum) TENSILE STRENGTH 600 lbf/in ² (minimum) JACKET ELONGATION 200% (minimum) TENSILE STRENGTH 2000 lbf/in ² (minimum) JACKET THICKNESS .010 inch (nominal)	
Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 7724A1424-9X) unless otherwise specified.		WEIGHT 13.6 lbs/1000 ft. (nominal)	
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.			
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.			
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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.