



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SPECIFICATION CONTROL DRAWING			7724A1424
<b>CHEMINAX</b>	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	
<p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p> <p><b>CONDUCTORS</b> AWG 24, 19 Strands of AWG 36, Silver-Coated High-Strength Copper Alloy</p> <p><b>DIELECTRICS</b> Rayfoam H Color - Light Blue/White</p> <p><b>FILLERS</b> Radiation-Crosslinked, Modified ETFE</p> <p><b>SHIELD</b> AWG 38, Silver-Coated High-Strength Copper Alloy, Optimized</p> <p><b>JACKET</b> Modified FEP</p>		<p>CHARACTERISTIC IMPEDANCE 77 ± 5 ohms, Method C at 1 MHz</p> <p>MUTUAL CAPACITANCE 18 pF/ft. (nominal)</p> <p>ATTENUATION 1.4 dB/100 ft. (maximum) at 1 MHz</p> <p>VELOCITY OF PROPAGATION 76% (nominal)</p> <p>SURFACE TRANSFER IMPEDANCE TBD</p>	
<b>ADDITIONAL REQUIREMENTS</b>			
<b>ELECTRICAL</b>			
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)	
<b>ENVIRONMENTAL</b>			
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	
<b>PHYSICAL</b>			
INSULATION (DIELECTRIC) (prior to cabling)		50% (minimum)	
ELONGATION		600 lbf/in <sup>2</sup> (minimum)	
TENSILE STRENGTH			
JACKET			
ELONGATION		200% (minimum)	
TENSILE STRENGTH		2000 lbf/in <sup>2</sup> (minimum)	
JACKET THICKNESS		.010 inch (nominal)	
WEIGHT		13.6 lbs/1000 ft. (nominal)	
<p>Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 7724A1424-9X) unless otherwise specified.</p> <p>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.</p>			
<p>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.</p>			
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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.