



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!



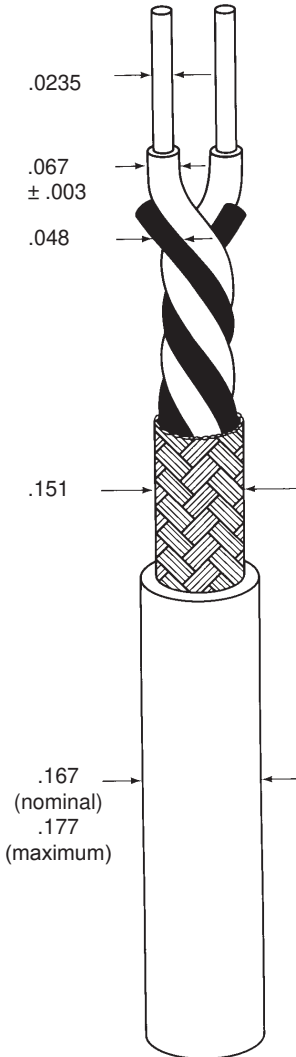
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SPECIFICATION CONTROL DRAWING		0024A0666	
<b>CHEMINAX</b>	100 OHM, AWG 24, 19 STRANDS OF AWG 36, OPTIMIZED SHIELD, TWINAXIAL CABLE	Date	5-4-10
		Revision	F
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
<b>CONSTRUCTION DETAILS</b>		<b>ELECTRICAL CHARACTERISTICS</b>	
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.  <p><b>CONDUCTORS</b> AWG 24, 19 strands of AWG 36, Nickel-Coated High-Strength Copper Alloy</p> <p><b>DIELECTRICS</b> Radiation-Crosslinked, Modified ETFE Colors - 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> Radiation-Crosslinked, Modified ETFE</p> <p>Dimensions: .0235, .067 ± .003, .048, .151, .167 (nominal), .177 (maximum)</p>		<p>CHARACTERISTIC IMPEDANCE 100 ± 7 ohms, Method C at 1 MHz</p> <p>MUTUAL CAPACITANCE 16.0 pF/ft. (nominal) 30.0 pF/ft. (maximum)</p> <p>CAPACITANCE UNBALANCE 5% (maximum)</p> <p>ATTENUATION 1.5 dB/100 ft. (maximum) at 1 MHz</p> <p>SURFACE TRANSFER IMPEDANCE 100 milliohms/meter (maximum) per MIL-DTL-85458 at 30 MHz</p>	
		<b>ADDITIONAL REQUIREMENTS</b>	
		<b>COMPONENT WIRE PRIOR TO CABLING (Test Procedures per SAE AS22759)</b>	
		<p>CROSSLINK PROOF 300 ± 3°C for 1 hour, .750 inch mandrel, .750 lb., 2.5 kV dielectric test</p> <p>INSULATION (DIELECTRIC) ELONGATION 50% (minimum) TENSILE STRENGTH 5000 lbf/in<sup>2</sup> (minimum)</p> <p>INSULATION FLAWS SPARK TEST 3.0 kV (rms) IMPULSE TEST 8.0 kV (peak)</p> <p>INSULATION RESISTANCE 5000 megohms for 1000 ft. (minimum)</p> <p>LOW TEMPERATURE-COLD BEND -65 ± 3°C for 4 hours, .500 inch mandrel, 1.00 lb., 2.5 kV dielectric test</p> <p>SHRINKAGE 200 ± 3°C for 1 hour, .125 inch (maximum) in 12 inches</p>	
		<b>FINISHED CABLE (Test Procedures per NEMA WC27500, unless otherwise specified)</b>	
		<p>BLOCKING 200°C for 6 hours</p> <p>CABLE LAY LENGTH 3.0 inch (maximum)</p> <p>CROSSLINKED VERIFICATION 300 ± 5°C for 6 hours, 6.00 inch mandrel</p> <p>FLAMMABILITY 3 seconds (maximum); 3 inches (maximum); no flaming of facial tissue</p> <p>JACKET ELONGATION 50% (minimum) TENSILE STRENGTH 5000 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET FLAWS SPARK TEST 1.0 kV (rms) IMPULSE TEST 6.0 kV (peak)</p> <p>JACKET THICKNESS .005 inch (minimum), .008 inch (nominal)</p> <p>LOW TEMPERATURE-COLD BEND -55 ± 5°C for 4 hours, 6.00 inch mandrel</p> <p>SHIELD COVERAGE 90% (minimum)</p> <p>VOLTAGE WITHSTAND (DIELECTRIC) 1500 volts (rms)</p> <p>CABLE LENGTH 100 ft. (minimum)</p> <p>WEIGHT 23.3 lbs/1000 ft. (maximum)</p>	
<p>Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0024A0666-9) 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 also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.</p>			
Page 1 of 1		The TE logo, Tyco Electronics, Cheminax and Raychem 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.