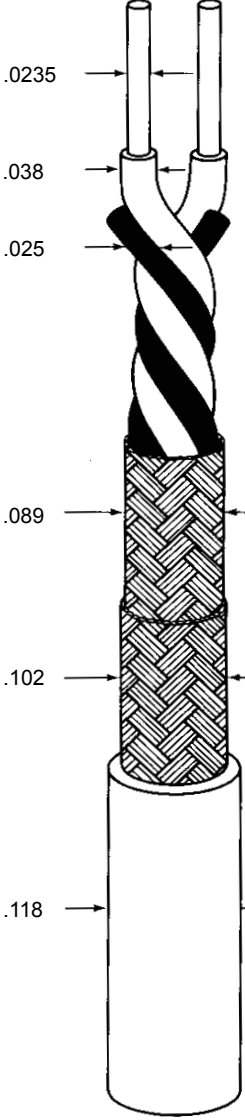


SPECIFICATION CONTROL DRAWING			7724R3524
CHEMINAX	77 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE, OPTIMIZED DOUBLE SHIELD	Date	2-19-13
		Revision	C
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
<p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p>  <p>CONDUCTORS AWG 24, 19 strands of AWG 36, Silver-Coated High Strength Copper Alloy</p> <p>DIELECTRICS Rayfoam H Colors - Light Blue/White</p> <p>FILLERS Radiation Crosslinked, Modified ETFE</p> <p>1ST SHIELD AWG 40, Silver-Coated High Strength Copper Alloy, Optimized</p> <p>2ND SHIELD AWG 40, Silver-Coated High Strength Copper Alloy, Optimized</p> <p>JACKET UXL-ETFE</p> <p>Dimensions: .0235, .038, .025, .089, .102, .118</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 78% (nominal)</p> <p>SURFACE TRANSFER IMPEDANCE 30 milliohms/meter (maximum) from dc to 2 MHz (dc resistance to 100 kHz determined by dc resistance measurement)</p> <p>10 milliohms/meter (maximum) from 2 MHz to 20 MHz</p> <p>20 milliohms/meter (maximum) from 20 MHz to 30 MHz</p>	
		ADDITIONAL REQUIREMENTS	
		ELECTRICAL	
		<p>CONDUCTOR RESISTANCE 27.8 ohms/1000 ft. (nominal) (prior to cabling)</p> <p>INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.</p> <p>JACKET FLAWS</p> <p>SPARK TEST 1.0 kV (rms)</p> <p>IMPULSE TEST 6.0 kV (peak)</p> <p>VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum)</p>	
		ENVIRONMENTAL	
		<p>FLAMMABILITY Method B</p> <p>LOW TEMPERATURE-COLD BEND -55°C/3.25 inch mandrel</p> <p>VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute</p>	
		PHYSICAL	
		<p>INSULATION (DIELECTRIC) (prior to cabling)</p> <p>ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH 600 lbf/in² (minimum)</p> <p>JACKET</p> <p>ELONGATION 150% (minimum)</p> <p>TENSILE STRENGTH 5000 lbf/in² (minimum)</p> <p>JACKET THICKNESS .008 inch (nominal)</p> <p>WEIGHT 14.6 lbs/1000 ft. (nominal) (21.7 kg/km)</p>	
<p>Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7724R3524-9) 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>			
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	Rayfoam, Cheminox, Raychem, 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.