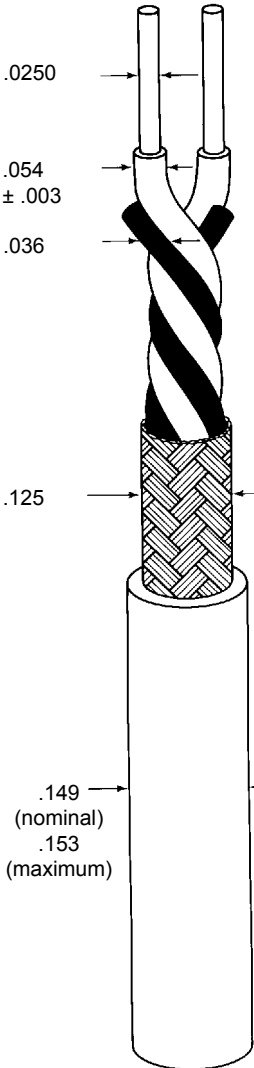


SPECIFICATION CONTROL DRAWING			0024G0024
CHEMINAX	100 OHM, AWG 24, 19 STRANDS OF AWG 36, OPTIMIZED SHIELD, TWINAXIAL CABLE	Date	1-16-13
		Revision	E
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.  <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>SHIELD AWG 38, Tin-Coated Copper Optimized</p> <p>JACKET Modified FEP</p> <p>Dimensions: .0250 (conductor diameter) .054 ± .003 (dielectric thickness) .036 (filler thickness) .125 (shield thickness) .149 (nominal) / .153 (maximum) (jacket thickness)</p>		<p>CHARACTERISTIC IMPEDANCE 100 ± 7 ohms, Method C at 1 MHz</p> <p>MUTUAL CAPACITANCE 13.5 pF/ft. (nominal)</p> <p>VELOCITY OF PROPAGATION 76% (nominal)</p> <p>CAPACITANCE UNBALANCE 3% (nominal)</p> <p>SURFACE TRANSFER IMPEDANCE 100 milliohms/meter (maximum) (Per MIL-DTL-85485 at 30 MHz)</p>	
		ADDITIONAL REQUIREMENTS	
		<u>ELECTRICAL</u>	
		<p>CONDUCTOR RESISTANCE 26.5 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>	
		<u>ENVIRONMENTAL</u>	
		<p>FLAMMABILITY Method B</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE-COLD BEND -55°C/4.00 inch mandrel</p> <p>VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute</p>	
		<u>PHYSICAL</u>	
		<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 200% (minimum)</p> <p>TENSILE STRENGTH 2000 lbf/in² (minimum)</p> <p>JACKET THICKNESS .012 inch (nominal)</p>	
<p>Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 0024G0024-9X) 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>WEIGHT 18.8 lbs/1000 ft. (nominal)</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>			
Page 1 of 1		Rayfoam, Cheminax, Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.	



Raychem Wire & Cable
 501 Oakside Avenue
 Redwood City, California 94063-3800
 1-800-227-8816 Fax: 1-650-361-6297

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.