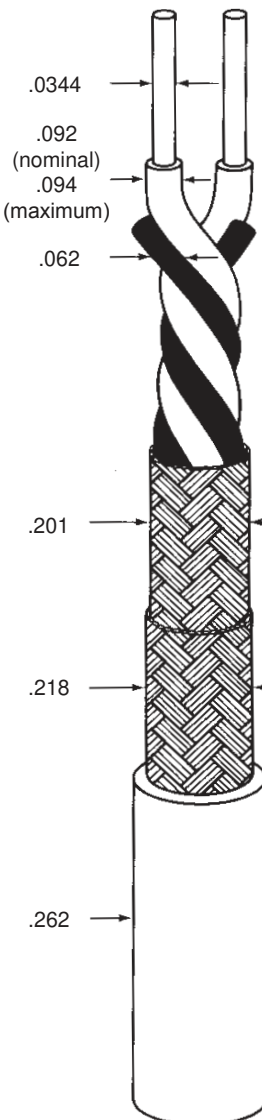


SPECIFICATION CONTROL DRAWING			2021B3422
<b>CHEMINAX</b>	120 OHM, 0.508 mm <sup>2</sup> , 19 STRANDS OF .19 mm, TWINAXIAL CABLE, OPTIMIZED DOUBLE SHIELD	Date	7-19-12
		Revision	B
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.  <p><b>CONDUCTORS</b> 0.508 mm<sup>2</sup>, 19 Strands of .19 mm, Silver-Coated Copper</p> <p><b>DIELECTRICS</b> Rayfoam H Colors - Light Blue/White</p> <p><b>FILLERS</b> Modified FEP</p> <p><b>1ST SHIELD</b> AWG 38, Silver-Coated Copper, Optimized</p> <p><b>2ND SHIELD</b> AWG 38, Silver-Coated Copper, Optimized</p> <p><b>JACKET</b> Modified FEP</p> <p>Dimensions: .0344, .092 (nominal), .094 (maximum), .062, .201, .218, .262</p>		<p>CHARACTERISTIC IMPEDANCE 120 ± 12 ohms, Method D at 1 MHz</p> <p>MUTUAL CAPACITANCE 10.5 pF/ft. (nominal)</p> <p>VELOCITY OF PROPAGATION 75% (nominal)</p> <p>SURFACE TRANSFER IMPEDANCE 225 milliohms/meter (maximum) from 0.1 to 1000 MHz (Per MIL-DTL-85485)</p>	
		ADDITIONAL REQUIREMENTS	
		<p><b>ELECTRICAL</b></p> <p>CONDUCTOR RESISTANCE (prior to cabling) 11.3 ohms/1000 ft. (nominal)</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> <p><b>ENVIRONMENTAL</b></p> <p>FLAMMABILITY Method B</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE-COLD BEND -55°C/7.00 inch mandrel</p> <p>VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute</p> <p><b>PHYSICAL</b></p> <p>INSULATION (DIELECTRIC) (prior to cabling) 50% (minimum)</p> <p>ELONGATION 600 lbf/in<sup>2</sup> (minimum)</p> <p>TENSILE STRENGTH</p> <p>JACKET</p> <p>ELONGATION 200% (minimum)</p> <p>TENSILE STRENGTH 2000 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET THICKNESS .022 inch (nominal)</p>	
<p>Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 2021B3422-9X) 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>		WEIGHT 58.8 lbs/1000 ft. (nominal)	
<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, 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.