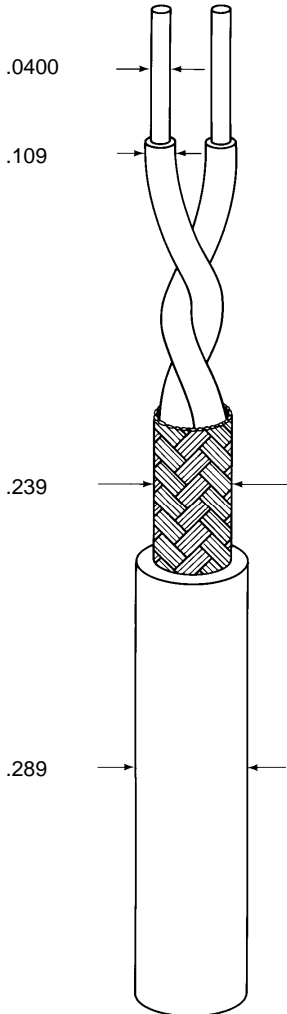


SPECIFICATION CONTROL DRAWING		2020F0421
<b>CHEMINAX</b>	120 OHM, AWG 20, 19 STRANDS OF AWG 32, OPTIMIZED SHIELD, TWINAXIAL CABLE	Date: 3-6-14 Revision: C
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS
<p>DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.</p>  <p><b>CONDUCTORS</b> AWG 20, 19 Strands of AWG 32, Tin-Coated Copper</p> <p><b>DIELECTRICS</b> Foamed FEP</p> <p><b>SHIELD</b> AWG 36, Tin-Coated Copper, Optimized</p> <p><b>JACKET</b> Modified FEP</p>		<p>CHARACTERISTIC IMPEDANCE 120 ± 12 ohms, Method D at 1 MHz (with shield grounded)</p> <p>MUTUAL CAPACITANCE 10.5 pF/ft. (nominal)</p> <p>VELOCITY OF PROPAGATION 78% (nominal)</p> <p>SURFACE TRANSFER IMPEDANCE 20 milliohms/meter (maximum) at 100 kHz to 20 MHz (Per MIL-DTL-85485)</p>
		ADDITIONAL REQUIREMENTS
		<p><b>ELECTRICAL</b></p> <p>CONDUCTOR RESISTANCE 9.53 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) 1500 volts (rms)</p> <p><b>ENVIRONMENTAL</b></p> <p>FLAMMABILITY Method B</p> <p>HEAT SHOCK 225°C</p> <p>LOW TEMPERATURE-COLD BEND -55°C/8.00 inch mandrel</p> <p>VOLTAGE WITHSTAND 1000 volts (rms), 1 minute (Post Environmental)</p> <p><b>PHYSICAL</b></p> <p>INSULATION (DIELECTRIC) (prior to cabling)</p> <p>ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH 600 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET</p> <p>ELONGATION 200% (minimum)</p> <p>TENSILE STRENGTH 2000 lbf/in<sup>2</sup> (minimum)</p> <p>JACKET THICKNESS .025 inch (nominal)</p>
<p>Dielectric colors will be light blue and white, unless otherwise specified. Optional dielectric colors are available in light colors only and will be designated in the part number. Outer jacket color will be translucent white, unless otherwise specified.</p> <p>Example:</p> <p>Light blue and white dielectric colors, translucent white jacket: 2020F0421-9X</p> <p>Light yellow and light green dielectric colors, translucent white jacket: 2020F0421-4L/5L-9X</p>		<p>WEIGHT 50.8 lbs/1000 ft. (nominal)</p>
<p>Designate dielectric colors, if applicable, and outer jacket color in accordance with MIL-STD-681 with a slash separating the dielectric colors and a dash separating the dielectric colors from the jacket color. 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><b>ENGINEERING REFERENCE</b></p> <p>TEMPERATURE RATING 150°C (maximum)</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	Cheminax, 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.

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