

SPECIFICATION CONTROL DRAWING			2020H3422
CHEMINAX	120 OHM, AWG 20, 19 STRANDS OF AWG 32, TWINAXIAL CABLE, OPTIMIZED DOUBLE SHIELD	Date	7-6-12
		Revision	B
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 20, 19 strands of AWG 32, Silver-Coated Copper</p> <p>DIELECTRICS Rayfoam H Colors - Light Blue/White</p> <p>FILLERS Radiation Crosslinked, Modified ETFE</p> <p>1ST SHIELD AWG 36, Silver-Coated Copper, Optimized</p> <p>2ND SHIELD AWG 36, Silver-Coated Copper, Optimized</p> <p>JACKET Modified FEP</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 78% (nominal)</p> <p>SURFACE TRANSFER IMPEDANCE 63 milliohms/meter (maximum) from .1 to 1000 MHz (Per MIL-DTL-85485)</p>	
		ADDITIONAL REQUIREMENTS	
		<u>ELECTRICAL</u>	
		CONDUCTOR RESISTANCE 8.87 ohms/1000 ft. (nominal)	
		INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.	
		JACKET FLAWS	
		SPARK TEST 1.0 kV (rms)	
		IMPULSE TEST 6.0 kV (peak)	
		VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum)	
		<u>ENVIRONMENTAL</u>	
		FLAMMABILITY Method B	
		HEAT SHOCK 225°C	
		LOW TEMPERATURE-COLD BEND -55°C/9.00 inch mandrel	
		VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute	
		<u>PHYSICAL</u>	
		INSULATION (DIELECTRIC) (prior to cabling) 50% (minimum)	
		ELONGATION 600 lbf/in ² (minimum)	
		TENSILE STRENGTH	
		JACKET	
		ELONGATION 200% (minimum)	
		TENSILE STRENGTH 2000 lbf/in ² (minimum)	
		JACKET THICKNESS .026 inch (nominal)	
		WEIGHT 76.9 lbs/1000 ft. (nominal)	
Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 2020H3422-9X) unless otherwise specified.			
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.			
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.			
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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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