

SPECIFICATION CONTROL DRAWING			5021F1031
CHEMINAX	50 OHM, AWG 21, 19 STRANDS OF AWG 33, COAXIAL CABLE	Date	7-10-08
		Revision	L
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. 		CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A CAPACITANCE 30.7 pF/ft. (nominal) VELOCITY OF PROPAGATION 66% (nominal)	
		ADDITIONAL REQUIREMENTS	
		<u>ELECTRICAL</u>	
		CONDUCTOR RESISTANCE	11.7 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/5.50 inch mandrel
		VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute
		<u>PHYSICAL</u>	
		INSULATION (DIELECTRIC)	
		ELONGATION	200% (minimum)
		TENSILE STRENGTH	1800 lbf/in ² (minimum)
		JACKET	
		ELONGATION	200% (minimum)
		TENSILE STRENGTH	2000 lbf/in ² (minimum)
		JACKET THICKNESS	.030 inch (nominal)
		SHIELD COVERAGE	90% (minimum)
		WEIGHT	29.7 lbs/1000 ft. (nominal)
Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 5021F1031-9X) 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 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.