

SPECIFICATION CONTROL DRAWING			7520A5811
CHEMINAX	75 OHM, AWG 20, 19 STRANDS OF AWG 32, TRIAXIAL CABLE	Date	2-25-10
		Revision	A
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
<div>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</div> <p>CONDUCTOR AWG 20, 19 Strands of AWG 32, Tin-Coated Copper</p> <p>DIELECTRIC Rayfoam L Color - Natural</p> <p>1st SHIELD AWG 36, Tin-Coated Copper</p> <p>1st JACKET Zerohal Color - Black</p> <p>2nd SHIELD AWG 36, Tin-Coated Copper</p> <p>2nd JACKET Zerohal</p>		CHARACTERISTIC IMPEDANCE 75 ± 3 ohms, Method B	
		CAPACITANCE 17.1 pF/ft. (nominal) at 1 kHz	
		VELOCITY OF PROPAGATION 79% (nominal)	
		ADDITIONAL REQUIREMENTS	
		<u>ELECTRICAL</u>	
CONDUCTOR RESISTANCE 9.53 ohms/1000 ft. (nominal)			
INSULATION RESISTANCE (CONDUCTOR TO SHIELD) 10,000 megohms (minimum) for 1000 ft.			
JACKET FLAWS			
SPARK TEST 1.0 kV (rms)			
IMPULSE TEST 6.0 kV (peak)			
VOLTAGE WITHSTAND			
CONDUCTOR TO SHIELD 1000 volts (rms) (minimum)			
SHIELD TO SHIELD 500 volts (rms) (minimum)			
<u>ENVIRONMENTAL</u>			
FLAMMABILITY Method B			
HEAT SHOCK 225°C			
LOW TEMPERATURE-COLD BEND -30°C/9.00 inch mandrel			
VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute			
<u>PHYSICAL</u>			
INSULATION (DIELECTRIC)			
ELONGATION 50% (minimum)			
TENSILE STRENGTH 800 lbf/in ² (minimum)			
JACKET (EACH)			
ELONGATION 150% (minimum)			
TENSILE STRENGTH 1200 lbf/in ² (minimum)			
1 st JACKET THICKNESS .020 inch (nominal)			
2 nd JACKET THICKNESS .026 inch (nominal)			
SHIELD COVERAGE (EACH) 90% (minimum)			
Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 7520A5811-0) 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.			
WEIGHT 61.6 lbs/1000 ft. (nominal)			
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.