

SPECIFICATION CONTROL DRAWING			5028P3514
CHEMINAX	50 OHM, AWG 28, 7 STRANDS OF AWG 36, COAXIAL CABLE	Date	9-7-12
		Revision	A
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>CONDUCTOR AWG 28, 7 Strands of AWG 36, Silver-Coated High-Strength Copper Alloy</p> <p>DIELECTRIC Rayfoam L Color - Natural</p> <p>1ST SHIELD AWG 38, Silver-Coated Copper</p> <p>2ND SHIELD AWG 38, Silver-Coated Copper</p> <p>JACKET UXL-ETFE</p>		CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A CAPACITANCE 27.4 pF/ft. (nominal) VELOCITY OF PROPAGATION 74% (nominal)	
		ADDITIONAL REQUIREMENTS	
		<u>ELECTRICAL</u>	
		CONDUCTOR RESISTANCE	60.5 ohms/1000 ft. (nominal)
		INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
		JACKET FLAWS	1.0 kV (rms)
		SPARK TEST	6.0 kV (peak)
		IMPULSE TEST	
		VOLTAGE WITHSTAND (DIELECTRIC)	750 volts (rms) (minimum)
		<u>ENVIRONMENTAL</u>	
		FLAMMABILITY	Method B
		LOW TEMPERATURE-COLD BEND	-55°C/2.50 inch mandrel
		VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms) , 1 minute
		<u>PHYSICAL</u>	
		INSULATION (DIELECTRIC) ELONGATION	50% (minimum)
		TENSILE STRENGTH	1000 lbf/in ² (minimum)
		JACKET ELONGATION	150% (minimum)
		TENSILE STRENGTH	5000 lbf/in ² (minimum)
		JACKET THICKNESS	.008 inch (nominal)
		SHIELD COVERAGE (each)	90% (minimum)
		WEIGHT	8.6 lbs/1000 ft. (nominal)
Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 5028P3514-9) 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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Raychem Wire & Cable
 501 Oakside Avenue
 Redwood City, California 94063-3800
 1-800-227-8816 Fax: 1-650-361-6297

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.