

SPECIFICATION CONTROL DRAWING		5028A3318	
CHEMINAX	50 OHM, AWG 28, 7 STRANDS OF AWG 36, COAXIAL CABLE	Date	7-15-13
		Revision	G
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 Copper Clad Steel</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 Thermorad S</p>		CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A CAPACITANCE 27.8 pF/ft. (nominal) VELOCITY OF PROPAGATION 73% (nominal)	
		ADDITIONAL REQUIREMENTS	
		<u>ELECTRICAL</u>	
		CONDUCTOR RESISTANCE	150. 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 C
		HEAT SHOCK	225°C
		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	200% (minimum)
		TENSILE STRENGTH	2000 lbf/in ² (minimum)
		JACKET THICKNESS	.010 inch (nominal)
		SHIELD COVERAGE (each)	90% (minimum)
		WEIGHT	7.9 lbs/1000 ft. (nominal)
Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5028A3318-0) 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.			
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.			
Page 1 of 1	Rayfoam, Thermorad, 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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