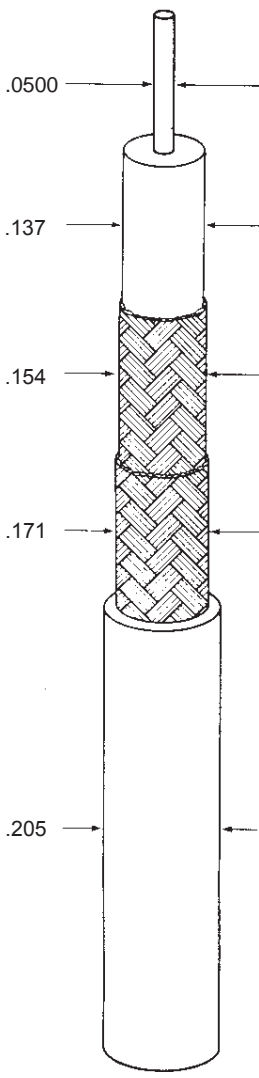


SPECIFICATION CONTROL DRAWING			5018A3812
CHEMINAX	50 OHM, AWG 18, 19 STRANDS OF AWG 30, COAXIAL CABLE	Date	4-22-09
		Revision	A
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
<p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p>  <p>CONDUCTOR AWG 18, 19 Strands of AWG 30, Silver-Coated Copper</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 UK Zerohal</p>		CHARACTERISTIC IMPEDANCE	50 ± 2 ohms, Method A
		CAPACITANCE	26.7 pF/ft. (nominal)
		VELOCITY OF PROPAGATION	76% (nominal)
		ADDITIONAL REQUIREMENTS	
		<u>ELECTRICAL</u>	
		CONDUCTOR RESISTANCE	5.64 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)	1000 volts (rms) (minimum)		
<u>ENVIRONMENTAL</u>			
FLAMMABILITY	Method B		
HEAT SHOCK	225°C		
LOW TEMPERATURE-COLD BEND	-30°C/5.50 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	1200 lbf/in ² (minimum)		
JACKET THICKNESS	.017 inch (nominal)		
SHIELD COVERAGE (each)	90% (minimum)		
WEIGHT		32.7 lbs/1000 ft. (nominal)	
Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5018A3812-0) 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 also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.			
The TE logo, Tyco Electronics , Cheminax, Raychem, Rayfoam and Zerohal are trademarks.			



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.