

SPECIFICATION CONTROL DRAWING		5016D3132	
<b>CHEMINAX</b>	50 OHM, AWG 16, 19 STRANDS OF AWG 29, COAXIAL CABLE	Date	3-5-13
		Revision	C
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><b>CONDUCTOR</b> AWG 16, 19 Strands of AWG 29, Silver-Coated Copper</p> <p><b>DIELECTRIC</b> Rayolin F Color - Natural</p> <p><b>1ST SHIELD</b> AWG 36, Silver-Coated Copper</p> <p><b>2ND SHIELD</b> AWG 36, Silver-Coated Copper</p> <p><b>JACKET</b> Radiation-Crosslinked Modified PVDF</p>		CHARACTERISTIC IMPEDANCE      50 ± 2 ohms, Method A CAPACITANCE                      31.0 pF/ft. (nominal) VELOCITY OF PROPAGATION      66% (nominal) ATTENUATION                        7.0 dB/100 ft. (maximum) at 400 MHz	
		ADDITIONAL REQUIREMENTS	
		<u>ELECTRICAL</u>	
		CONDUCTOR RESISTANCE	4.41 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	-55°C/7.00 inch mandrel
		VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms) , 1 minute
		<u>PHYSICAL</u>	
		INSULATION (DIELECTRIC)	
		ELONGATION	200% (minimum)
		TENSILE STRENGTH	1800 lbf/in <sup>2</sup> (minimum)
		JACKET	
		ELONGATION	200% (minimum)
		TENSILE STRENGTH	4000 lbf/in <sup>2</sup> (minimum)
		JACKET THICKNESS	.014 inch (nominal)
		SHIELD COVERAGE (EACH)	90% (minimum)
		WEIGHT	55.1 lbs/1000 ft. (nominal)
Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 5016D3132-9) 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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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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