

SPECIFICATION CONTROL DRAWING			5016D3132
CHEMINAX	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>CONDUCTOR AWG 16, 19 Strands of AWG 29, Silver-Coated Copper</p> <p>DIELECTRIC Rayolin F Color - Natural</p> <p>1ST SHIELD AWG 36, Silver-Coated Copper</p> <p>2ND SHIELD AWG 36, Silver-Coated Copper</p> <p>JACKET 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	
		ELECTRICAL	
		CONDUCTOR RESISTANCE 4.41 ohms/1000 ft. (nominal)	
		INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.	
		JACKET FLAWS	
		SPARK TEST 1.0 kV (rms)	
		IMPULSE TEST 6.0 kV (peak)	
		VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum)	
		ENVIRONMENTAL	
		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	
		PHYSICAL	
		INSULATION (DIELECTRIC) ELONGATION 200% (minimum)	
		TENSILE STRENGTH 1800 lbf/in ² (minimum)	
		JACKET ELONGATION 200% (minimum)	
		TENSILE STRENGTH 4000 lbf/in ² (minimum)	
		JACKET THICKNESS .014 inch (nominal)	
		SHIELD COVERAGE (EACH) 90% (minimum)	
Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 5016D3132-9) unless otherwise specified.		WEIGHT 55.1 lbs/1000 ft. (nominal)	
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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