

SPECIFICATION CONTROL DRAWING			7528A1424
CHEMINAX	75 OHM, AWG 28, 7 STRANDS OF AWG 36, COAXIAL CABLE	Date	12-5-13
		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 28, 7 Strands of AWG 36, Silver-Coated High- Strength Copper Alloy</p> <p>DIELECTRIC Rayfoam H Color - White</p> <p>SHIELD AWG 40, Tin-Coated Copper</p> <p>JACKET Modified FEP</p>		<p>CHARACTERISTIC IMPEDANCE 75 ± 5 ohms, Method A</p> <p>CAPACITANCE 17.6 pF/ft. (nominal)</p> <p>VELOCITY OF PROPAGATION 77% (nominal)</p>	
		ADDITIONAL REQUIREMENTS	
		ELECTRICAL	
		CONDUCTOR RESISTANCE	74.0 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)	1500 volts (rms)
		ENVIRONMENTAL	
		FLAMMABILITY	Method B
		HEAT SHOCK	225°C
		LOW TEMPERATURE-COLD BEND	-55°C/2.75 inch mandrel
		VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute
		PHYSICAL	
		INSULATION (DIELECTRIC)	
		ELONGATION	50% (minimum)
		TENSILE STRENGTH	600 lbf/in ² (minimum)
		JACKET	
		ELONGATION	200% (minimum)
		TENSILE STRENGTH	2000 lbf/in ² (minimum)
		JACKET THICKNESS	.010 inch (nominal)
		SHIELD COVERAGE	90% (minimum)
		WEIGHT	8.3 lbs/1000 ft. (nominal)
		ENGINEERING REFERENCE	
		MAX TEMPERATURE RATING	150°C continuous conductor temperature
<p>Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 7528A1424-9X), unless otherwise specified.</p> <p>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.</p>			
<p>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.</p>			
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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.