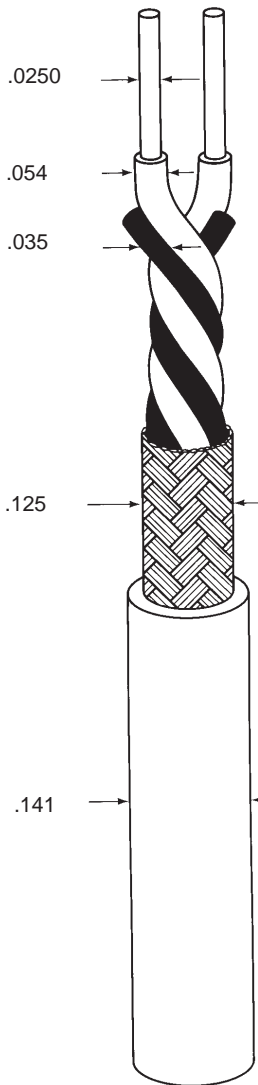


SPECIFICATION CONTROL DRAWING			0024S1614
CHEMINAX	100 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE, OUTER SPACE USE	Date	8-29-07
		Revision	A
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
<div>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</div> <div></div> <div><b>CONDUCTORS</b> AWG 24, 19 Strands of AWG 36, Silver-Coated High Strength Copper Alloy</div> <div><b>DIELECTRICS</b> Rayfoam L Colors - White/Tan</div> <div><b>FILLERS</b> Radiation-Crosslinked, Modified ETFE</div> <div><b>SHIELD</b> AWG 38, Silver-Coated Copper</div> <div><b>JACKET</b> Radiation-Crosslinked, Modified ETFE</div>		CHARACTERISTIC IMPEDANCE 100 ± 7 ohms, Method C at 1 MHz	
		MUTUAL CAPACITANCE 13.5 pF/ft. (nominal)	
		VELOCITY OF PROPAGATION 76% (nominal)	
		ADDITIONAL REQUIREMENTS	
<div>Outer jacket color will be white (designated by a “-9” appended to the part number, e.g. 0024S1614-9) unless otherwise specified.</div> <div>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.</div>		<b>ELECTRICAL</b>	
		CONDUCTOR RESISTANCE 26.5 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)	
		<b>ENVIRONMENTAL</b>	
		FLAMMABILITY Method B	
		HEAT SHOCK 225°C	
		LOW TEMPERATURE-COLD BEND -55°C/4.00 inch mandrel	
		VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute	
		<b>PHYSICAL</b>	
		INSULATION (DIELECTRIC) (Prior to Cabling)	
		ELONGATION 50% (minimum)	
		TENSILE STRENGTH 1000 lbf/in <sup>2</sup> (minimum)	
		JACKET	
		ELONGATION 50% (minimum)	
TENSILE STRENGTH 5000 lbf/in <sup>2</sup> (minimum)			
JACKET THICKNESS .008 inch (nominal)			
SHIELD COVERAGE 90% (minimum)			
WEIGHT 14.6 lbs/1000 ft. (nominal)			
<b>OUTER SPACE REQUIREMENTS</b>			
RADIATION RESISTANCE 500 megarads/4.25 inch mandrel			
VACUUM STABILITY			
TOTAL MASS LOSS (TML) 1.00% (maximum)			
VOLATILE CONDENSABLE MATERIAL (VCM) 0.10% (maximum)			
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.			
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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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