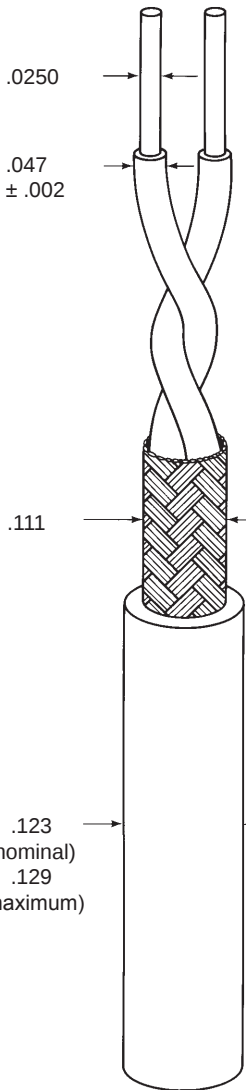


SPECIFICATION CONTROL DRAWING			7024E1664
CHEMINAX	70 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE	Date	6-14-11
		Revision	A
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.  CONDUCTORS AWG 24, 19 Strands of AWG 36, Silver-Coated High-Strength Copper Alloy DIELECTRICS Radiation-Crosslinked, Modified ETFE Colors - Light Blue/White SHIELD AWG 38 Silver-Coated Copper JACKET Radiation-Crosslinked, Modified ETFE		CHARACTERISTIC IMPEDANCE 70 ± 5 ohms, Method C at 1 MHz	
		MUTUAL CAPACITANCE 30.0 pF/ft. (maximum)	
		ATTENUATION 1.0 dB/100 ft. (nominal) at 1 MHz 1.4 dB/100 ft. (maximum) at 1 MHz	
		ADDITIONAL REQUIREMENTS	
		COMPONENT WIRE PRIOR TO CABLING (Test procedures per SAE AS22759)	
		CROSSLINKING PROOF TEST 300 ± 3°C for 1 hour, .625 inch mandrel, .375 lb., 2.5 kV dielectric test	
		INSULATION (DIELECTRIC) ELONGATION 50% (minimum)	
		TENSILE STRENGTH 5000 lbf/in ² (minimum)	
		INSULATION FLAWS SPARK TEST 3.0 kV (rms)	
		IMPULSE TEST 8.0 kV (peak)	
		INSULATION RESISTANCE 5000 megohms for 1000 ft. (minimum)	
		LOW TEMPERATURE-COLD BEND -65 ± 3°C for 4 hours, .500 inch mandrel, 1.00 lb., 2.5 kV dielectric test	
		SHRINKAGE 200 ± 3°C for 1 hour, .125 inch (maximum) in 12 inches	
		FINISHED CABLE (Test procedures per NEMA WC 27500, unless otherwise specified)	
		BLOCKING 200°C for 6 hours	
		CROSSLINKED VERIFICATION 300 ± 5°C for 6 hours, 3.00 inch mandrel	
		FLAMMABILITY 3 seconds (maximum); 3 inches (maximum); no flaming of facial tissue (Method B of Spec 1200)	
		JACKET ELONGATION 50% (minimum)	
		TENSILE STRENGTH 5000 lbf/in ² (minimum)	
		JACKET FLAWS SPARK TEST 1.0 kV (rms)	
		IMPULSE TEST 6.0 kV (peak)	
		JACKET THICKNESS .006 inch (nominal)	
		LOW TEMPERATURE-COLD BEND -55 ± 5°C for 4 hours, 3.00 inch mandrel	
		SHIELD COVERAGE 90% (minimum)	
		VOLTAGE WITHSTAND (DIELECTRIC) 1500 volts (rms)	
Outer jacket color will be white (designated by a “-9” appended to the part number, e.g. 7024E1664-9) 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.			
		WEIGHT 12.5 lbs/1000 ft. (maximum)	
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.			
Page 1 of 1	Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.		



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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.