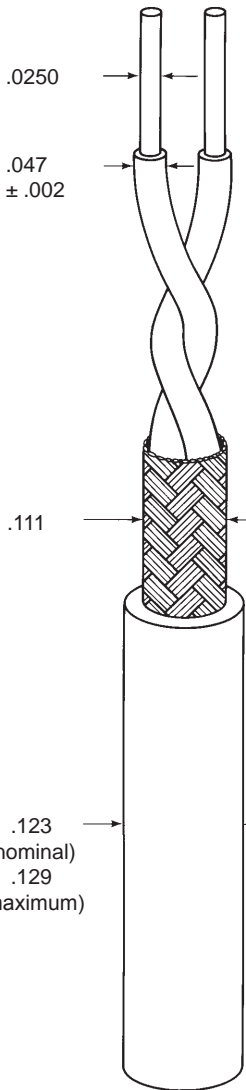


SPECIFICATION CONTROL DRAWING			7024E1664
CHEMINAX	70 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE	Date	6-14-11
		Revision	A
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
<div>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</div>  <div>CONDUCTORS AWG 24, 19 Strands of AWG 36, Silver-Coated High-Strength Copper Alloy</div> <div>DIELECTRICS Radiation-Crosslinked, Modified ETFE Colors - Light Blue/White</div> <div>SHIELD AWG 38 Silver-Coated Copper</div> <div>JACKET Radiation-Crosslinked, Modified ETFE</div>		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 (Method B of Spec 1200)		3 seconds (maximum); 3 inches (maximum); no flaming of facial tissue	
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.		WEIGHT 12.5 lbs/1000 ft. (maximum)	
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.			
Page 1 of 1	Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.		



Raychem Wire & Cable
501 Oakside Avenue
Redwood City, California 94063-3800
1-800-227-8816 Fax: 1-650-361-6297

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.