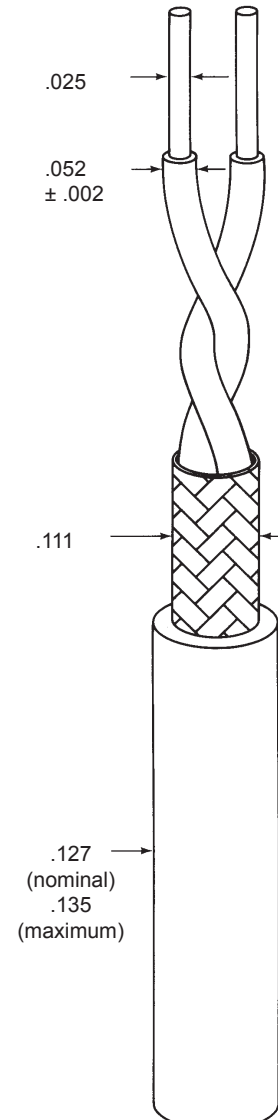


SPECIFICATION CONTROL DRAWING			7724E2664
CHEMINAX	77 OHM, AWG 24, 19 STRANDS OF AWG 36, DATA BUS, OUTER SPACE USE	Date	2-16-07
		Revision	D
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.  <p>CONDUCTOR AWG 24, 19 Strands of AWG 36, Silver-Coated High Strength Copper Alloy</p> <p>DIELECTRIC Radiation-Crosslinked, Modified ETFE Color - Light Blue/White</p> <p>SHIELD FLAT, .0015 strand thickness Silver-Coated Copper</p> <p>JACKET Radiation-Crosslinked, Modified ETFE</p>		CHARACTERISTIC IMPEDANCE 77 ± 7 Ohms, Method C at 1 MHz MUTUAL CAPACITANCE 30 pF/ft. (maximum) ATTENUATION 1.0 dB/100 ft. nominal at 1 MHz 8.0 dB/100 ft. maximum at 10 MHz SURFACE TRANSFER IMPEDANCE 70 milliohms/meter (nominal) at 10 MHz	
		ADDITIONAL REQUIREMENTS	
		COMPONENT WIRE PRIOR TO CABLING (Test Procedures per SAE AS22759)	
		CROSSLINK PROOF 300 ± 3°C for 1 hour, .625 inch mandrel, .500 lb., 2.5 kV dielectric test LOW TEMPERATURE-COLD BEND -65 ± 2°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 INSULATION RESISTANCE 5000 megohms for 1000 ft. (minimum) 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)	
		FINISHED CABLE (Test Procedures per NEMA WC27500)	
		BLOCKING 200°C for 6 hours LOW TEMPERATURE-COLD BEND -55 ± 5°C for 4 hours, 6.00 inch mandrel CROSSLINKED VERIFICATION 300 ± 5°C for 6 hours, 6.00 inch mandrel FLAMMABILITY 3 seconds (maximum); 3 inch (maximum); (Method B of Spec 1200) no flaming of facial tissue JACKET FLAWS SPARK TEST 1.0 kV (rms) IMPULSE TEST 6.0 kV (peak) JACKET THICKNESS .008 inch (nominal) .006 inch (minimum) JACKET ELONGATION 50% (minimum) TENSILE STRENGTH 5000 lbf/in ² (minimum) SHIELD COVERAGE 90% (minimum) VOLTAGE WITHSTAND (DIELECTRIC) 1500 volts (rms) VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute WEIGHT 10.4 lbs/1000 ft. (nominal)	
		OUTER SPACE REQUIREMENTS	
Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7724E2664-9) unless otherwise specified.		RADIATION RESISTANCE 500 megarads/3.75 inch mandrel VACUUM STABILITY TOTAL MASS LOSS (TML) 1.00% (maximum) VOLATILE CONDENSABLE 0.10% (maximum) MATERIAL (VCM) WEIGHT LOSS: (Test per Spec 55/) 0.45% (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 also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.			



Raychem Wire & Cable

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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.