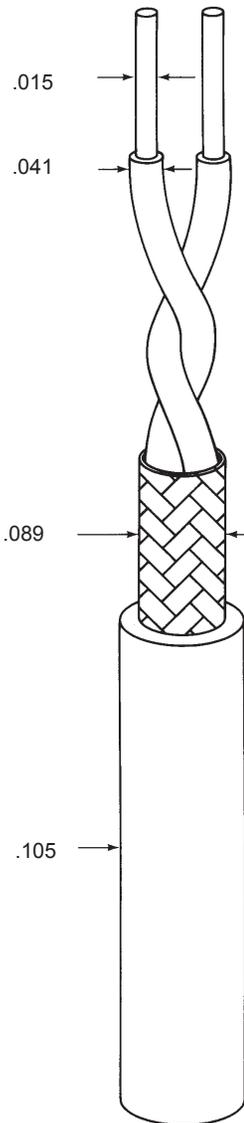


SPECIFICATION CONTROL DRAWING			0028S2664
CHEMINAX	100 OHM, AWG 28, 7 STRANDS OF AWG 36, DATA BUS, OUTER SPACE USE	Date	12-31-08
		Revision	G
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.  <p>CONDUCTOR AWG 28, 7 Strands of AWG 36, Silver-Coated High Strength Copper Alloy</p> <p>DIELECTRIC Radiation-Crosslinked, Modified ETFE (Dual Extruded) Color - Light Blue/White</p> <p>SHIELD FLAT, .0015 Strand Thickness Silver-Coated Copper</p> <p>JACKET Radiation-Crosslinked, Modified ETFE</p>		<p>CHARACTERISTIC IMPEDANCE 100 ± 10 Ohms, Method D at 1 MHz</p> <p>MUTUAL CAPACITANCE 16.9 pF/ft. (nominal) 20.0 pF/ft. (maximum)</p> <p>ATTENUATION 1.5 dB/100 ft. (nominal) at 1 MHz</p>	
		ADDITIONAL REQUIREMENTS	
		COMPONENT WIRE PRIOR TO CABLING (Test Procedures per SAE AS22759)	
		<p>CROSSLINK PROOF 300 ± 3°C for 1 hour, .500 inch mandrel, .375 lb., 2.5 kV dielectric test</p> <p>INSULATION (DIELECTRIC) (Total Insulation)</p> <p>ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH 5000 lbf/in² (minimum)</p> <p>INSULATION FLAWS</p> <p>SPARK TEST 3.0 kV (rms)</p> <p>IMPULSE TEST 8.0 kV (peak)</p> <p>INSULATION RESISTANCE 5000 megohms for 1000 ft. (minimum)</p> <p>LOW TEMPERATURE-COLD BEND -65 ± 2°C for 4 hours, .375 inch mandrel, .500 lb., 2.5 kV dielectric test</p> <p>SHRINKAGE 200 ± 3°C for 1 hour, .125 inch (maximum) in 12 inches</p>	
		FINISHED CABLE (Test Procedures per NEMA WC 27500, unless otherwise specified)	
		<p>BLOCKING 200°C for 6 hours</p> <p>CROSSLINKED VERIFICATION 300 ± 5°C for 6 hours, 3.00 inch mandrel</p> <p>FLAMMABILITY 3 seconds (maximum); 3 inch (maximum); no flaming of facial tissue (Method B of Spec 1200)</p> <p>JACKET FLAWS</p> <p>SPARK TEST 1.0 kV (rms)</p> <p>IMPULSE TEST 6.0 kV (peak)</p> <p>JACKET THICKNESS .008 inch (nominal)</p> <p>JACKET</p> <p>ELONGATION 50% (minimum)</p> <p>TENSILE STRENGTH 5000 lbf/in² (minimum)</p> <p>LOW TEMPERATURE-COLD BEND -55 ± 5°C for 4 hours, 3.00 inch mandrel</p> <p>SHIELD COVERAGE 90% (minimum)</p> <p>VOLTAGE WITHSTAND 1500 volts (rms)</p> <p>(DIELECTRIC)</p> <p>WEIGHT 6.6 lbs/1000 ft. (nominal)</p>	
		OUTER SPACE REQUIREMENTS	
<p>Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0028S2664-9) 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>RADIATION RESISTANCE 500 megarads/3.25 inch mandrel</p> <p>VACUUM STABILITY</p> <p>TOTAL MASS LOSS (TML) 1.00% (maximum)</p> <p>VOLATILE CONDENSABLE MATERIAL (VCM) 0.10% (maximum)</p> <p>WEIGHT LOSS: (Test per Spec 55/) 0.45% (maximum)</p>	
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.			
Page 1 of 1		The TE logo, Tyco Electronics, Cheminox and Raychem are trademarks.	



Raychem Wire & Cable
501 Oaks 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.