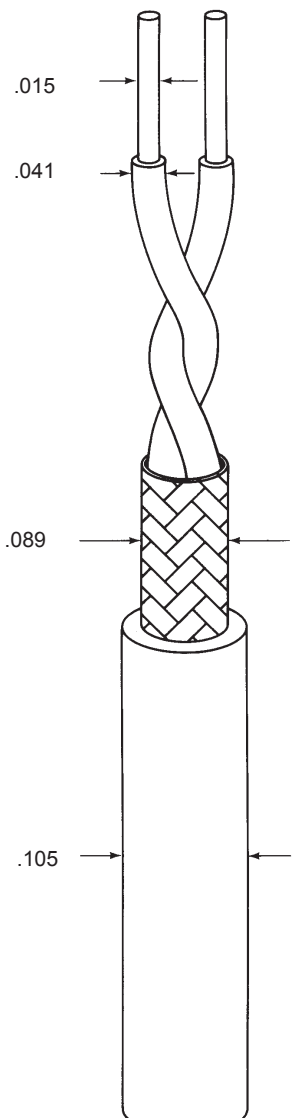


SPECIFICATION CONTROL DRAWING			0028S2664
CHEMINAX	100 OHM, AWG 28, 7 STRANDS OF AWG 36, DATA BUS, OUTER SPACE USE	Date	12-31-08
		Revision	G
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
DIMENSIONS ARE NOMINAL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