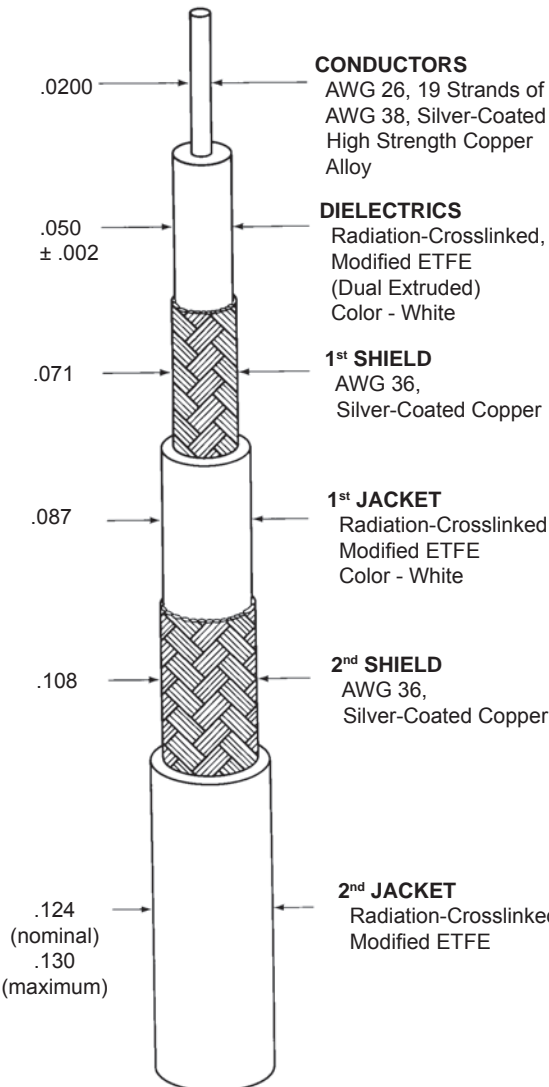


SPECIFICATION CONTROL DRAWING			4126S5664
CHEMINAX	41 OHM, AWG 26, 19 STRANDS OF AWG 38, TRIAxIAL CABLE, OUTER SPACE USE	Date	12-31-08
		Revision	F
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.			
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS	
<div></div> <p>DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.</p>		CHARACTERISTIC IMPEDANCE 41.6 ± 2 ohms, Method A	
		CAPACITANCE 40.6 pF/ft. (nominal)	
		ADDITIONAL REQUIREMENTS	
		COMPONENT WIRE PRIOR TO BRAIDING (Test Procedures per SAE AS22759)	
		CROSSLINK PROOF 300 ± 3°C for 1 hour, .625 inch mandrel, .500 lb., 2.5 kV dielectric test	
		INSULATION (DIELECTRIC) (Total Insulation) 50% (minimum)	
		ELONGATION 5000 lbf/in ² (minimum)	
		TENSILE STRENGTH 5000 lbf/in ² (minimum)	
		INSULATION FLAWS 3.0 kV (rms)	
		SPARK TEST 8.0 kV (peak)	
IMPULSE TEST 5000 megohms for 1000 ft. (minimum)			
INSULATION RESISTANCE -65 ± 3°C for 4 hours, .500 inch mandrel, .500 lb., 2.5 kV dielectric test			
LOW TEMPERATURE-COLD BEND 200 ± 3°C for 1 hour, .125 inch (maximum) in 12 inches			
SHRINKAGE			
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			
JACKET (each) 50% (minimum)			
ELONGATION 5000 lbf/in ² (minimum)			
TENSILE STRENGTH			
JACKET FLAWS 1.0 kV (rms)			
SPARK TEST 6.0 kV (peak)			
IMPULSE TEST .008 inch (nominal)			
JACKET THICKNESS (each) -55 ± 5°C for 4 hours, 3.00 inch mandrel			
LOW TEMPERATURE-COLD BEND 90% (minimum)			
SHIELD COVERAGE (each)			
VOLTAGE WITHSTAND 1500 volts (rms)			
CONDUCTOR TO SHIELD 500 volts (rms)			
SHIELD TO SHIELD			
WEIGHT 16.7 lbs/1000 ft. (nominal)			
OUTER SPACE REQUIREMENTS			
RADIATION RESISTANCE 500 megarads/3.75 inch mandrel 1.0 kV dielectric test			
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. 4126S5664-9) 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.			
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