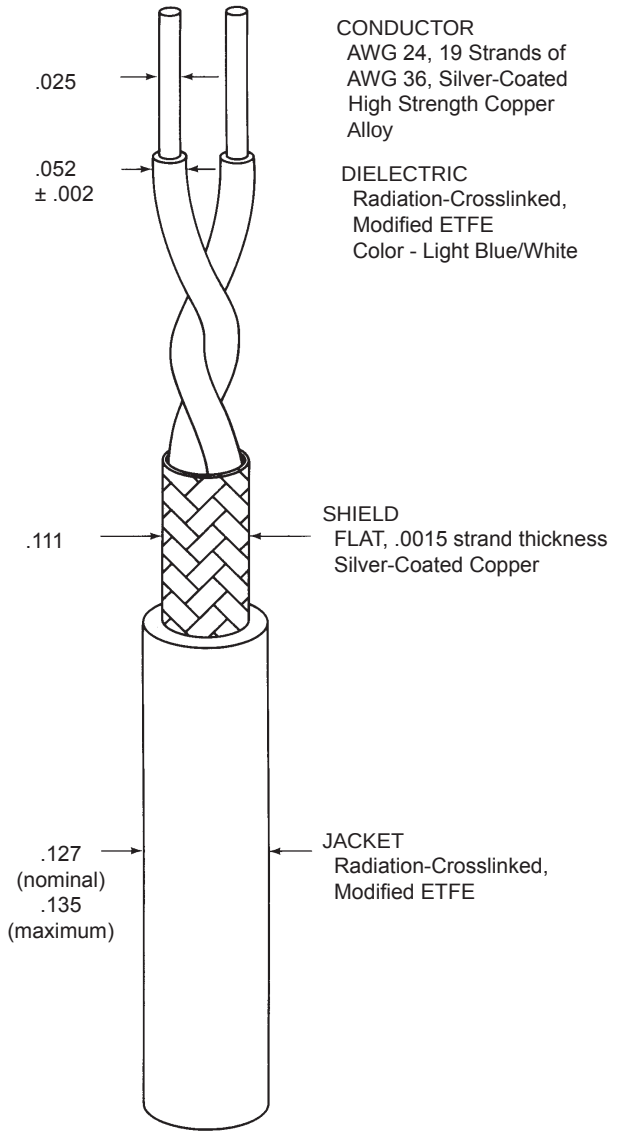
SPECIFICATION CONTROL DRAWING			7724E2664
CHEMINAX	77 OHM, AWG 24, 19 STRANDS OF AWG 36, DATA BUS, OUTER SPACE USE	Date	2-16-07
		Revision	D

THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7724E2664-9) 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.

ELECTRICAL CHARACTERISTICS

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 (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) .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

RADIATION RESISTANCE	500 megarads/3.75 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)

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.

Tyco Electronics

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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.

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