

**SPECIFICATION CONTROL DRAWING**

**0024Y9961**

**CHEMINAX**

100 OHM, AWG 24, 19 STRANDS OF AWG 36, UNSHIELDED, UNJACKETED, TWO CONDUCTOR CABLE

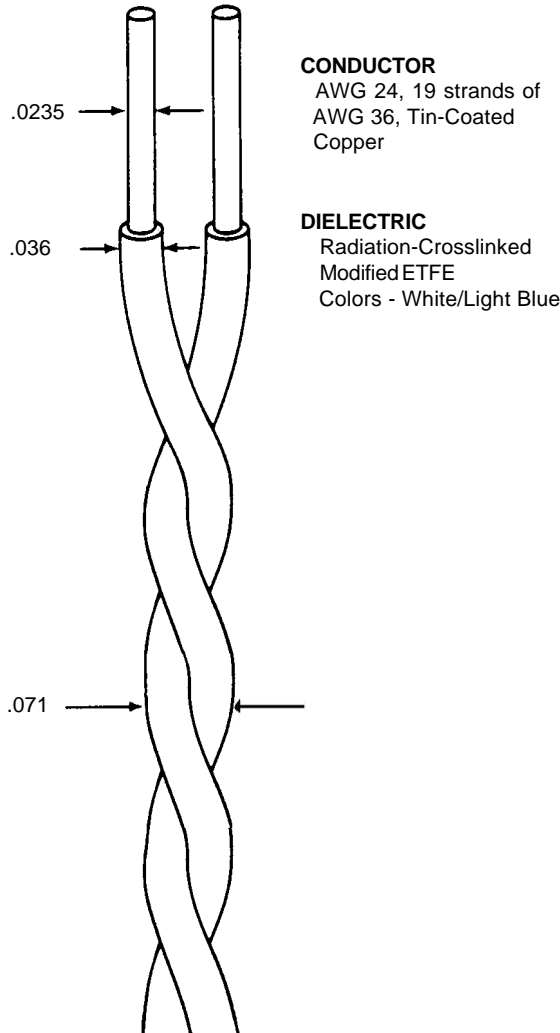
Date: 10-10-06  
Revision: B

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.



CHARACTERISTIC IMPEDANCE	100 ± 10 ohms, Method C at 1 MHz
CAPACITANCE	16.0 pF/ft. (nominal)

**ADDITIONAL REQUIREMENTS**

**COMPONENT WIRE PRIOR TO CABLING (Test Procedures per AS22759)**

CROSSLINKPROOF	300 ± 3°C for 1 hour, .375 inch mandrel, .195 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) TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
ELONGATION	50% (minimum)
INSULATION FLAWS SPARK TEST	3.0 kV (rms)
IMPULSE TEST	8.0 kV (peak)
INSULATION WALL THICKNESS	.006 ± .001 inch

**FINISHED CABLE**

INSULATION FLAWS SPARK TEST	3.0 kV (rms)
IMPULSE TEST	8.0 kV (peak)

WEIGHT 3.7 lbs/1000 ft. (nominal)

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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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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