

**SPECIFICATION CONTROL DRAWING**

**7522B7331**

**CHEMINAX**

75 OHM, AWG 22, 19 STRANDS OF AWG 34, TWINAXIAL CABLE

Date: 11-5-14  
Revision: A

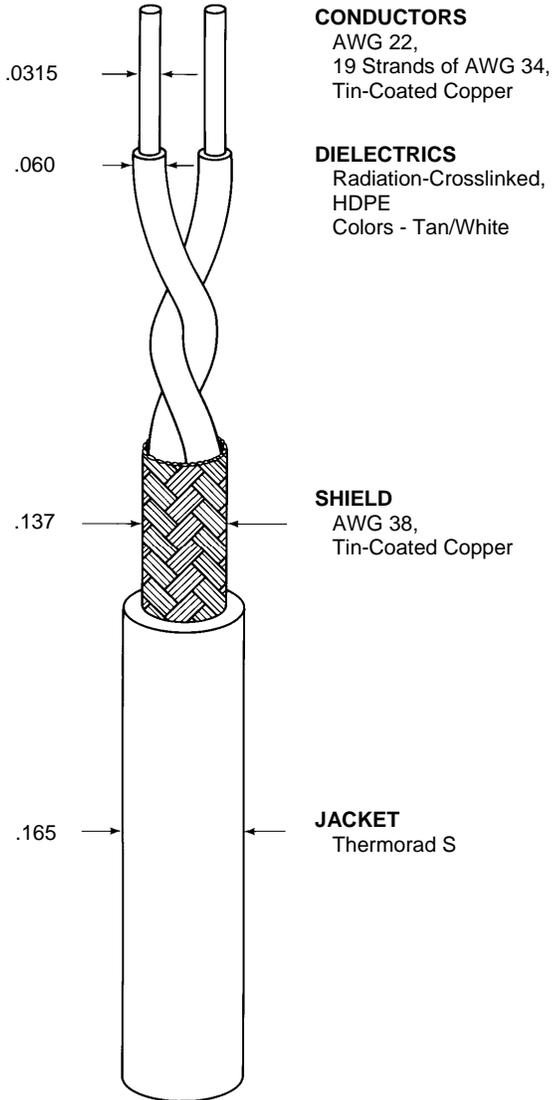
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE 75 ± 7 ohms, Method C at 1 MHz  
MUTUAL CAPACITANCE 30.0 pF/ft. (nominal)  
VELOCITY OF PROPAGATION 66% (nominal)



**ADDITIONAL REQUIREMENTS**

**ELECTRICAL**

CONDUCTOR RESISTANCE (prior to cabling) 15.5 ohms/1000 ft. (nominal)  
INSULATION RESISTANCE 10,000 megohms (minimum) for 1000 ft.  
JACKET FLAWS  
SPARK TEST 1.0 kV (rms)  
IMPULSE TEST 6.0 kV (peak)  
VOLTAGE WITHSTAND (DIELECTRIC) 1500 volts rms

**ENVIRONMENTAL**

FLAMMABILITY Method C  
HEAT SHOCK 225°C  
LOW TEMPERATURE-COLD BEND -55°C/4.50 inch mandrel  
VOLTAGE WITHSTAND (Post Environmental) 1000 volts (rms), 1 minute

**PHYSICAL**

INSULATION (DIELECTRIC) (prior to cabling)  
ELONGATION 200% (minimum)  
TENSILE STRENGTH 1800 lbf/in<sup>2</sup> (minimum)  
JACKET  
ELONGATION 200% (minimum)  
TENSILE STRENGTH 2000 lbf/in<sup>2</sup> (minimum)  
JACKET THICKNESS .014 inch (nominal)  
SHIELD COVERAGE 90% (minimum)

WEIGHT 16.6 lbs/1000 ft. (nominal)

**ENGINEERING REFERENCE**

TEMPERATURE RATING 110°C (maximum)

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be black designated by a "-0" appended to the part number, (e.g. 7522B7331-0). 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 Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

