## SPECIFICATION CONTROL DRAWING

5028A3318

**CHEMINAX** 

50 OHM, AWG 28, 7 STRANDS OF AWG 36, COAXIAL CABLE

7-15-13 Date Revision G

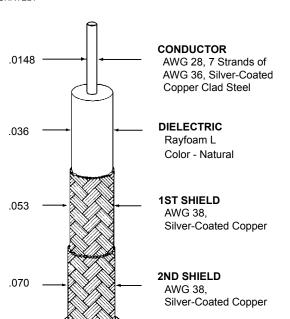
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

## CONSTRUCTION DETAILS

**ELECTRICAL CHARACTERISTICS** 

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A **CAPACITANCE** 27.8 pF/ft. (nominal) VELOCITY OF PROPAGATION 73% (nominal)



## ADDITIONAL REQUIREMENTS

**ELECTRICAL** 

CONDUCTOR RESISTANCE 150. ohms/1000 ft. (nominal) INSULATION RESISTANCE

10,000 megohms (minimum) for 1000 ft.

JACKET FLAWS

**ENVIRONMENTAL** 

1.0 kV (rms) SPARK TEST 6.0 kV (peak) **IMPULSE TEST** 

VOLTAGE WITHSTAND (DIELECTRIC) 750 volts (rms) (minimum)

**FLAMMABILITY HEAT SHOCK** 

LOW TEMPERATURE-COLD BEND -55°C/2.50 inch mandrel **VOLTAGE WITHSTAND** 

(Post Environmental)

1000 volts (rms), 1 minute

Method C

225°C

**PHYSICAL** 

INSULATION (DIELECTRIC)

**ELONGATION** 50% (minimum) TENSILE STRENGTH 1000 lbf/in<sup>2</sup> (minimum)

**JACKET** 

**ELONGATION** 200% (minimum) **TENSILE STRENGTH** 2000 lbf/in<sup>2</sup> (minimum) JACKET THICKNESS .010 inch (nominal) SHIELD COVERAGE (each) 90% (minimum)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5028A3318-0) unless otherwise specified.

**JACKET** 

Thermorad S

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.

WEIGHT 7.9 lbs/1000 ft. (nominal)

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.

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