### SPECIFICATION CONTROL DRAWING

**CHEMINAX** 

(maximum)

.082

(nominal)

.085

(maximum)

.100

.117

.135

(nominal)

.141

(maximum)

75 OHM, AWG 28, 7 STRANDS OF AWG 36, TRIAXIAL CABLE

Date: Н Revision:

7528F5614

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.

**CONDUCTOR** .0150 AWG 28. 7 Strands of AWG 36, Silver-Coated High-Strength Copper Alloy .065 **DIELECTRIC** (nominal) Radiation-Crosslinked, .068

Foamed PE

Color - Natural

1st SHIELD AWG 38, Tin-Coated Copper

1st JACKET

Radiation-Crosslinked, Modified ETFE Color - White

2nd SHIELD AWG 38,

Tin-Coated Copper

2nd JACKET Radiation-Crosslinked,

Designate outer jacket color with a dash number in accordance

Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the

Modified ETFE

CHARACTERISTIC IMPEDANCE

75 ± 3 ohms, Method B **CAPACITANCE** 17.7 pF/ft. (nominal) 19.5 pF/ft. (maximum)

**VELOCITY OF PROPAGATION** 

77% (nominal)

## ADDITIONAL REQUIREMENTS

**ELECTRICAL** 

CONDUCTOR RESISTANCE 74.0 ohms/1000 ft. (nominal) INSULATION RESISTANCE 10,000 megohms (minimum) CONDUCTOR TO SHIELD for 1000 ft.

JACKET FLAWS

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

**VOLTAGE WITHSTAND** 

CONDUCTOR TO SHIELD 1000 volts (rms) (minimum) SHIELD TO SHIELD 500 volts (rms) (minimum)

**ENVIRONMENTAL** 

**FLAMMABILITY** Method B **HEAT SHOCK** 225°C

LOW TEMPERATURE-COLD BEND -55°C/3.75 inch mandrel 1000 volts (rms), 1 minute **VOLTAGE WITHSTAND** 

(Post Environmental)

**PHYSICAL** 

INSULATION (DIELECTRIC)

**ELONGATION** 50% (minimum) TENSILE STRENGTH 1000 lbf/in2 (minimum)

JACKET (each)

**ELONGATION** 50% (minimum) 5000 lbf/in2 (minimum) TENSILE STRENGTH JACKET THICKNESS (each) .009 inch (nominal) SHIELD COVERAGE (each) 90% (minimum)

with MIL-STD-681. Unless otherwise specified, outer jacket color WFIGHT will be white designated by a "-9" appended to the part number,

15.7 lbs/1000 ft. (nominal)

**ENGINEERING REFERENCE** 

TEMPERATURE RATING 115°C (maximum)

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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(e.g. 7528F5614-9).

purchase order.

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Raychem Wire & Cable 501 Oakside Avenue Redwood City, California 94063-3800 Phone: 1-800-522-6752 Fax: 1-650-361-6297 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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