SPECIFICATION CONTROL DRAWING

CHEMINAX

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

Date:

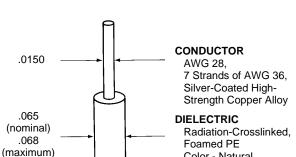
7528F5614

Н Revision:

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.



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

.135 2nd JACKET (nominal)

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

Radiation-Crosslinked, Modified ETFE

ELECTRICAL CHARACTERISTICS

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 **VOLTAGE WITHSTAND** 1000 volts (rms), 1 minute (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 will be white designated by a "-9" appended to the part number,

WFIGHT 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.

.082

(nominal)

.085

(maximum)

.100

.117

.141

(maximum)

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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