SPECIFICATION CONTROL DRAWING

5026A1334

CHEMINAX

.059

.076

.096

50 OHM, AWG 26, 7 STRANDS OF AWG 34, COAXIAL CABLE

4-1-11 Date Revision В

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 30.8 pF/ft. (nominal) 33.5 pF/ft. (maximum)

CONDUCTOR AWG 26, 7 Strands of .0190 AWG 34, Silver-Coated High-Strength Copper

VELOCITY OF PROPAGATION 66% (nominal)

Alloy

SHIELD

JACKET

Thermorad S

AWG 38

Tin-Coated Copper

Rayolin F Color - Natural **ADDITIONAL REQUIREMENTS**

ELECTRICAL DIELECTRIC

> CONDUCTOR RESISTANCE 43.9 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) 1000 volts (rms) (minimum)

ENVIRONMENTAL

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

LOW TEMPERATURE-COLD BEND -55°C/2.75 inch mandrel **VOLTAGE WITHSTAND** 1000 volts (rms), 1 minute

(Post Environmental)

PHYSICAL

INSULATION (DIELECTRIC)

ELONGATION 200% (minimum) TENSILE STRENGTH 1800 lbf/in2 (minimum)

JACKET

ELONGATION 200% (minimum) TENSILE STRENGTH 2000 lbf/in2 (minimum) JACKET THICKNESS .010 inch (nominal) SHIELD COVERAGE 90% (minimum)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5026A1334-0) unless otherwise

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 7.1 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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