SPECIFICATION CONTROL DRAWING

5022D1312

CHEMINAX

.0315

.087

±.005

.104

.128

50 OHM, AWG 22, 19 STRANDS OF AWG 34, COAXIAL CABLE

3-28-13 Date Н Revision

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

Copper

DIELECTRIC

Rayfoam L

SHIELD

JACKET

Thermorad S

AWG 38.

Color - Natural

Silver-Coated Copper

AWG 22, 19 Strands of AWG 34, Silver-Coated

CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A **CAPACITANCE** 27.9 pF/ft. (nominal) VELOCITY OF PROPAGATION 73% (nominal)

13.0 dB/100 ft. (maximum) at 400 MHz **ATTENUATION**

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE 14.4 ohms/1000 ft. (nominal) INSULATION RESISTANCE 10,000 megohms (minimum)

for 1000 ft.

JACKET FLAWS

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

VOLTAGE WITHSTAND (DIELECTRIC) 1000 volts (rms) (minimum)

ENVIRONMENTAL

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

LOW TEMPERATURE-COLD BEND -55°C/3.50 inch mandrel **VOLTAGE WITHSTAND** 1000 volts (rms), 1 minute

(Post Environmental)

PHYSICAL

INSULATION (DIELECTRIC)

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

JACKET

ELONGATION 200% (minimum) 2000 lbf/in2 (minimum) TENSILE STRENGTH JACKET THICKNESS .009 inch (minimum)

.015 inch (maximum)

SHIELD COVERAGE

90% (minimum)

Outer jacket color will be black (designated by a "-0" appended to the part number, e.g. 5022D1312-0) unless otherwise specified.

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 11.8 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.

Page 1 of 1

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