SPECIFICATION CONTROL DRAWING

CHEMINAX

.116

.137

.177

50 OHM, AWG 21, 19 STRANDS OF AWG 33. COAXIAL CABLE

Date: Revision: Ε

5021D1031

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

CAPACITANCE

CONSTRUCTION DETAILS

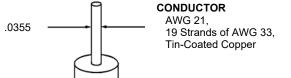
DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE

50 ± 2 ohms, Method A 30.8 pF/ft. (nominal)

VELOCITY OF PROPAGATION

66% (nominal)



DIELECTRIC

Rayolin F Color - Natural

SHIELD

JACKET

Raythane FR

AWG 36,

Tin-Coated Copper

ADDITIONAL REQUIREMENTS

ELECTRICAL CHARACTERISTICS

ELECTRICAL

CONDUCTOR RESISTANCE 11.7 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 1000 volts (rms) (minimum)

(DIELECTRIC)

ENVIRONMENTAL

FLAMMABILITY Method C 150°C **HEAT SHOCK**

LOW TEMPERATURE-COLD BEND -55°C/5 00 inch mandrel **VOLTAGE WITHSTAND** 1000 volts (rms), 1 minute

(Post Environmental)

PHYSICAL

INSULATION (DIELECTRIC)

SHIELD COVERAGE

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

JACKET

ELONGATION 200% (minimum) 2500 lbf/in2 (minimum) TENSILE STRENGTH JACKET THICKNESS .020 inch (nominal)

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be black designated by a "-0" appended to the part number, e.g. 5021D1031-0.

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

WEIGHT

21.0 lbs/1000 ft. (nominal)

90% (minimum)

ENGINEERING REFERENCE

TEMPERATURE RATING 90°C (maximum)

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. TE Connectivity 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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