## SPECIFICATION CONTROL DRAWING

**CHEMINAX** 

.134

.195

±.005

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

Date	7-10-08
Revision	L

5021F1031

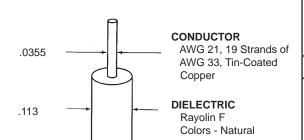
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

## CONSTRUCTION DETAILS

**ELECTRICAL CHARACTERISTICS** 

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED

CHARACTERISTIC IMPEDANCE 50 ± 2 ohms, Method A CAPACITANCE 30.7 pF/ft. (nominal) VELOCITY OF PROPAGATION 66% (nominal)



SHIELD

**JACKET** 

Modified FEP

AWG 36.

Tin-Coated Copper

## **ADDITIONAL REQUIREMENTS**

**ELECTRICAL** 

CONDUCTOR RESISTANCE 11.7 ohms/1000 ft. (nominal)

10,000 megohms (minimum) INSULATION RESISTANCE

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 B **HEAT SHOCK** 225°C

LOW TEMPERATURE-COLD BEND -55°C/5.50 inch mandrel

**VOLTAGE WITHSTAND** (Post Environmental)

1000 volts (rms), 1 minute

**PHYSICAL** 

INSULATION (DIELECTRIC)

**ELONGATION** TENSILE STRENGTH 200% (minimum) 1800 lbf/in<sup>2</sup> (minimum)

**ELONGATION** 200% (minimum) TENSILE STRENGTH JACKET THICKNESS

2000 lbf/in2 (minimum) .030 inch (nominal)

SHIELD COVERAGE 90% (minimum)

Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 5021F1031-9X) 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 29.7 lbs/1000 ft. (nominal)

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