SPECIFICATION CONTROL DRAWING

CHEMINAX

.0235

.055

.127

.157

(nominal)

.166

(maximum)

100 OHM, AWG 24, 19 STRANDS OF AWG 36, TWINAXIAL CABLE

	0024A0311
Date	2-21-13
Revision	G

100 ± 10 ohms, Method C at 1 MHz

13.5 pF/ft. (nominal)

25.7 ohms/1000 ft. (nominal)

10,000 megohms (minimum)

79% (nominal)

for 1000 ft.

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

CONSTRUCTION DETAILS

ELECTRICAL CHARACTERISTICS

ADDITIONAL REQUIREMENTS

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE

CONDUCTORS AWG 24, 19 Strands of

AWG 36, Tin-Coated Copper

DIELECTRICS

SHIELD

JACKET

Thermorad S

AWG 38,

Tin-Coated Copper

Ravfoam L Colors - White/Tan

ELECTRICAL CONDUCTOR RESISTANCE

INSULATION RESISTANCE

CHARACTERISTIC IMPEDANCE

VELOCITY OF PROPAGATION

MUTUAL CAPACITANCE

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 225°C **HEAT SHOCK**

LOW TEMPERATURE-COLD BEND -55°C/1.50 inch mandrel **VOLTAGE WITHSTAND** 1000 volts (rms),1 minute

(Post Environmental)

PHYSICAL

INSULATION (DIELECTRIC)

(Prior to Cabling)

ELONGATION 50% (minimum) TENSILE STRENGTH 800 lbf/in2 (minimum)

JACKET

ELONGATION

100% (minimum) TENSILE STRENGTH 2000 lbf/in2 (minimum) JACKET THICKNESS .015 inch (nominal) 90% (minimum)

SHIELD COVERAGE

Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 0024A0311-9) 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

16.0 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

Rayfoam, Thermorad, Cheminax, Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.

