SPECIFICATION CONTROL DRAWING

CHEMINAX

.070

.086

.103

.119

75 OHM, AWG 30, 7 STRANDS OF AWG 38, TRIAXIAL CABLE

Date	5-9-13
Revision	A

7530A5524

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
AWG 30, 7 Strands of AWG 38, Silver-Coated High-Strength Copper Alloy

DIELECTRIC
Rayfoam H

Color - White

Tin-Coated Copper

1st SHIELD

1st JACKET

UXI-FTFF

2nd SHIELD

AWG 38.

2nd JACKET

Color - White

Tin-Coated Copper

Ink Jet Markable ETFE

Color - White

AWG 38.

CHARACTERISTIC IMPEDANCE 75 ± 3 ohms, Method B CAPACITANCE 17.5 pF/ft. (nominal) VELOCITY OF PROPAGATION 77% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE 116. ohms/1000 ft. (nominal) INSULATION RESISTANCE 10,000 megohms (minimum)

(CONDUCTOR TO SHIELD) for 1000 ft.

JACKET FLAWS

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

VOLTAGE WITHSTAND

CONDUCTOR TO SHIELD 1000 volts (rms) (minimum) SHIELD TO SHIELD 500 volts (rms) (minimum)

ENVIRONMENTAL

FLAMMABILITY Method B HEAT SHOCK 225°C

LOW TEMPERATURE-COLD BEND -55°C/3.25 inch mandrel VOLTAGE WITHSTAND 1000 volts (rms), 1 minute

(Post Environmental)

PHYSICAL

INSULATION (DIELECTRIC)

SHIELD COVERAGE (EACH)

ELONGATION 50% (minimum)
TENSILE STRENGTH 600 lbf/in² (minimum)

JACKET (EACH)

ELONGATION 150% (minimum)
TENSILE STRENGTH 5000 lbf/in² (minimum)

JACKET THICKNESS (EACH) .006 inch (minimum)

.008 inch (nominal)

90% (minimum)

Outer jacket color will be white (designated by a "-9)" appended to the part number, e.g. 7530A5524-9) 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 13.5 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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