

SPECIFICATION CONTROL DRAWING

9530J1424

CHEMINAX

95 OHM, AWG 30, 7 STRANDS OF AWG 38, COAXIAL CABLE

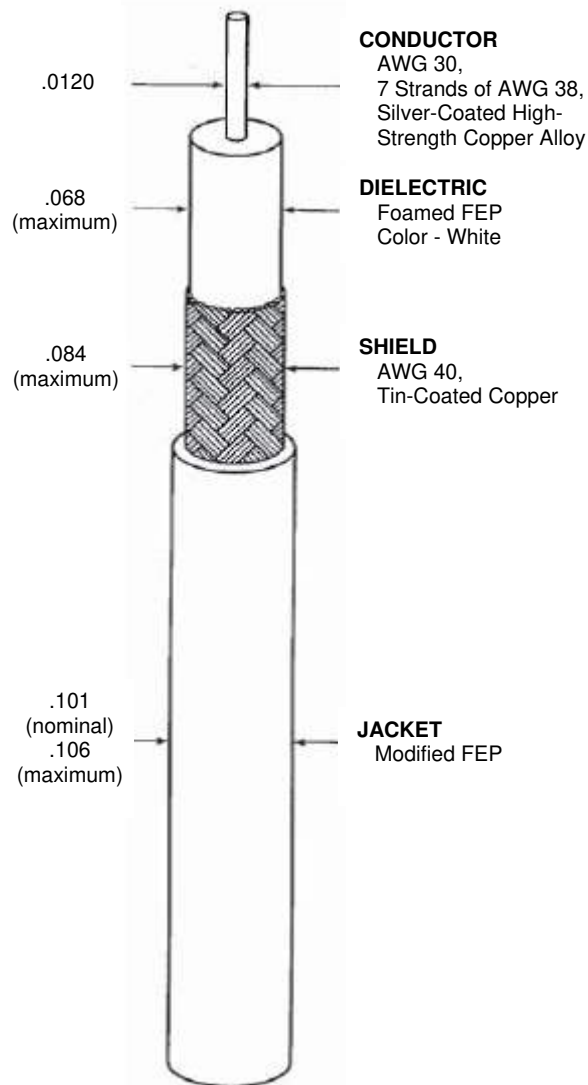
Date: 6-2-14
Revision: C

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	95 ± 10 ohms, Method B
CAPACITANCE	13.1 pF/ft. (nominal) 15.0 pF/ft. (maximum)
VELOCITY OF PROPAGATION	83% (nominal)

ADDITIONAL REQUIREMENTS

<u>ELECTRICAL</u>	
CONDUCTOR RESISTANCE	116. 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 (DIELECTRIC)	1500 volts (rms)

<u>ENVIRONMENTAL</u>	
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/2.75 inch mandrel
VOLTAGE WITHSTAND (Post Environmental)	1000 volts (rms), 1 minute

<u>PHYSICAL</u>	
INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in ² (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in ² (minimum)
JACKET THICKNESS	010 inch (nominal)
SHIELD COVERAGE	90% (minimum)

Designate outer jacket color with a dash number in accordance with MIL-STD-681. Unless otherwise specified, outer jacket color will be translucent white designated by a "-9X" appended to the part number, (e.g. 9530J1424-9X). Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order.

WEIGHT	7.6 lbs/1000 ft. (nominal)
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<u>ENGINEERING REFERENCE</u>	
TEMPERATURE RATING	150°C (maximum)

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.

