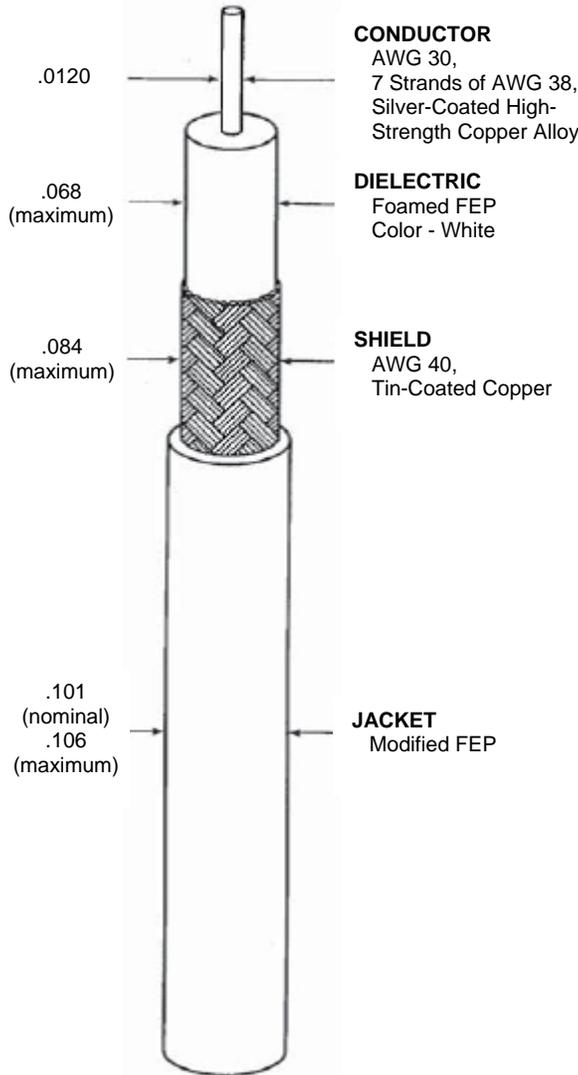| **SPECIFICATION CONTROL DRAWING**		**9530J1424**	
CHEMINAX	95 OHM, AWG 30, 7 STRANDS OF AWG 38, COAXIAL CABLE	Date:	6-2-14
		Revision:	C

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

CONSTRUCTION DETAILS

DIMENSIONS ARE NOMINAL VALUES IN INCHES, UNLESS OTHERWISE DESIGNATED.

.0120

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

.068
(maximum)

DIELECTRIC
Foamed FEP
Color - White

.084
(maximum)

SHIELD
AWG 40,
Tin-Coated Copper

.101
(nominal)
.106
(maximum)

JACKET
Modified FEP

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.

ELECTRICAL CHARACTERISTICS

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

ELECTRICAL

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)

ENVIRONMENTAL

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

PHYSICAL

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)
WEIGHT	7.6 lbs/1000 ft. (nominal)

ENGINEERING REFERENCE

TEMPERATURE RATING	150°C (maximum)

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TE connectivity

Raychem Wire & Cable
501 Oakside Avenue
Redwood City, California 94063-3800
Phone: 1-800-227-8816 Fax: 1-650-361-6297

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.