

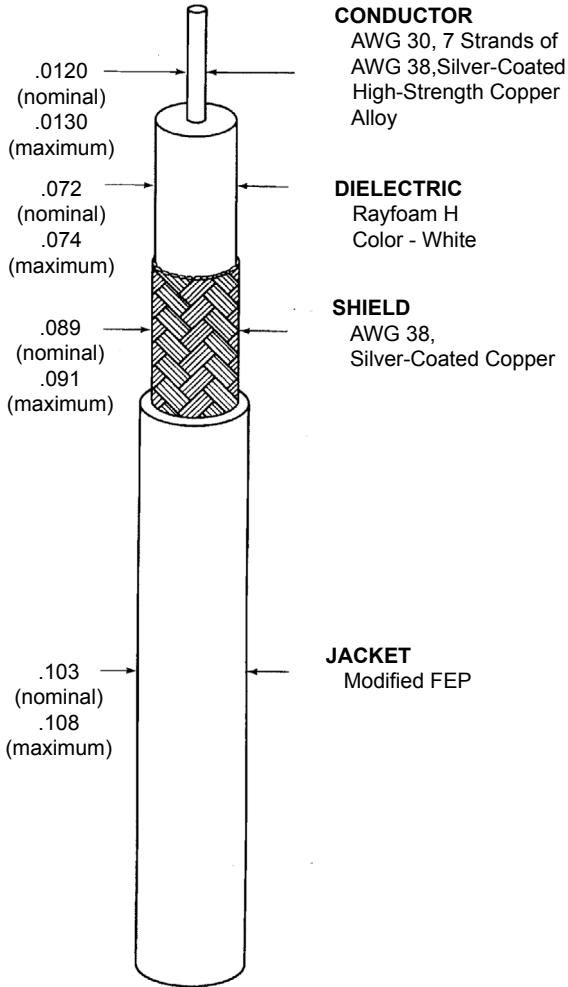
SPECIFICATION CONTROL DRAWING	9530H1014
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CHEMINAX	95 OHM, AWG 30, 7 STRANDS OF AWG 38, COAXIAL CABLE	Date	3-22-13
		Revision	H

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

CONSTRUCTION DETAILS	ELECTRICAL CHARACTERISTICS
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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

SHIELD
AWG 38,
Silver-Coated Copper

JACKET
Modified FEP

CHARACTERISTIC IMPEDANCE	95 ± 5 ohms, Method B
CAPACITANCE	13.5 pF/ft. (nominal) 14.6 pF/ft. (maximum)
VELOCITY OF PROPAGATION	80% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	118. ohms/1000 ft. (maximum)
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)	1000 volts (rms) (minimum)

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	150% (minimum)
TENSILE STRENGTH	1000 lbf/in ² (minimum)
JACKET THICKNESS	.006 inch (minimum) .009 inch (maximum)
SHIELD COVERAGE	90% (minimum)

WEIGHT	9.0 lbs/1000 ft. (maximum)
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Outer jacket color will be translucent white (designated by a "-9X" appended to the part number, e.g. 9530H1014-9X) 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.

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.

