

# SPECIFICATION CONTROL DRAWING 9530H1014-9X<sup>®</sup>

# CHEMINAX

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

Date: 5-21-85

Revision: E

COMPLETE REVISION

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

## CONSTRUCTION DETAILS

## ELECTRICAL CHARACTERISTICS

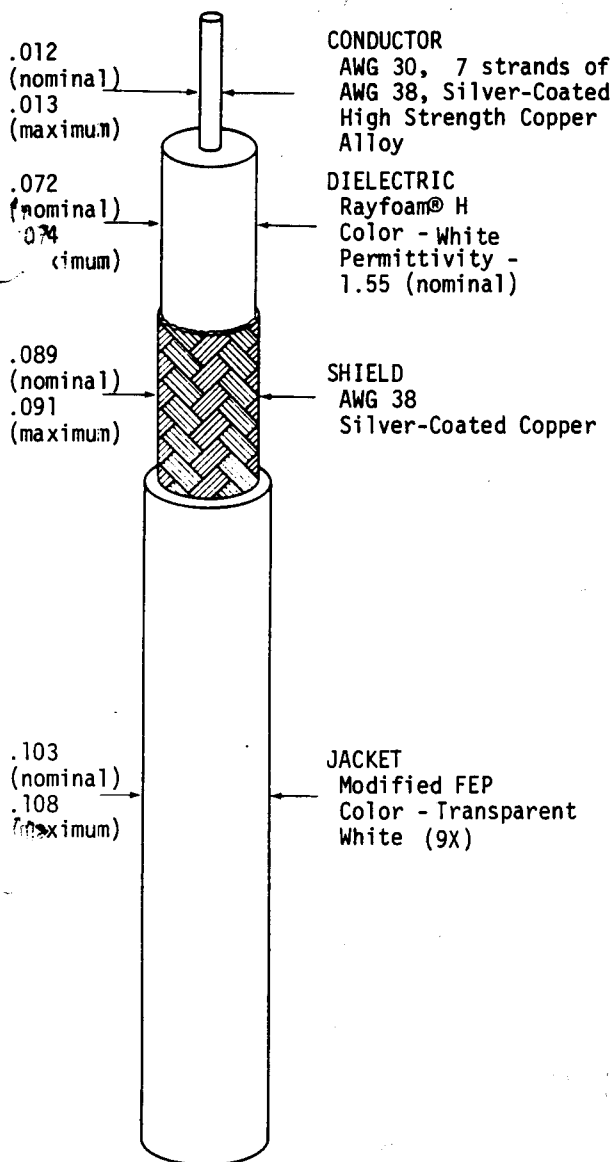
DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE	95 ± 5 ohms, Method B
CAPACITANCE	13.5 pF/ft. (nominal) at 1 kHz 14.6 pF/ft. (maximum) at 1 kHz
VELOCITY OF PROPAGATION	80% (nominal)

## ADDITIONAL REQUIREMENTS

<u>ELECTRICAL</u>	
CONDUCTOR RESISTANCE	118. ohms/1000 ft. (maximum)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
<u>JACKET FLAWS</u>	
SPARK TEST	1.0 kV, 60 Hz (rms)
IMPULSE TEST	6.0 kV (peak)
PARTIAL DISCHARGE (CORONA)	850 volts (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (minimum)
<u>ENVIRONMENTAL</u>	
AGING STABILITY	135°C/-55°C/2.75 inch mandrel
FLAMMABILITY	Method B, except 3 seconds (maximum) afterburn
HEAT SHOCK	225°C
LOW TEMPERATURE - COLD BEND	-55°C/2.75 inch mandrel
<u>PHYSICAL</u>	
<u>INSULATION (DIELECTRIC)</u>	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 psi (minimum)
<u>JACKET</u>	
ELONGATION	150% (minimum)
TENSILE STRENGTH	1000 psi (minimum)
JACKET THICKNESS	.006 inch (minimum) .009 inch (maximum)
SHIELD COVERAGE	90% (minimum)

WEIGHT 9.0 lbs/1000 ft. (maximum)



# Raychem

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