

SPECIFICATION CONTROL DRAWING 9530H1014-9X[®]

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

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	95 $\pm$ 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

ELECTRICAL

CONDUCTOR RESISTANCE	118. ohms/1000 ft. (maximum)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.

JACKET FLAWS

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)
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ENVIRONMENTAL

AGING STABILITY	135°C/-55°C/2.75 inch mandrel
FLAMMABILITY	Method B, except 3 seconds (maximum) afterburn

HEAT SHOCK

LOW TEMPERATURE - COLD BEND	225°C
	-55°C/2.75 inch mandrel

PHYSICAL

INSULATION (DIELECTRIC)

ELONGATION	50% (minimum)
TENSILE STRENGTH	600 psi (minimum)

JACKET

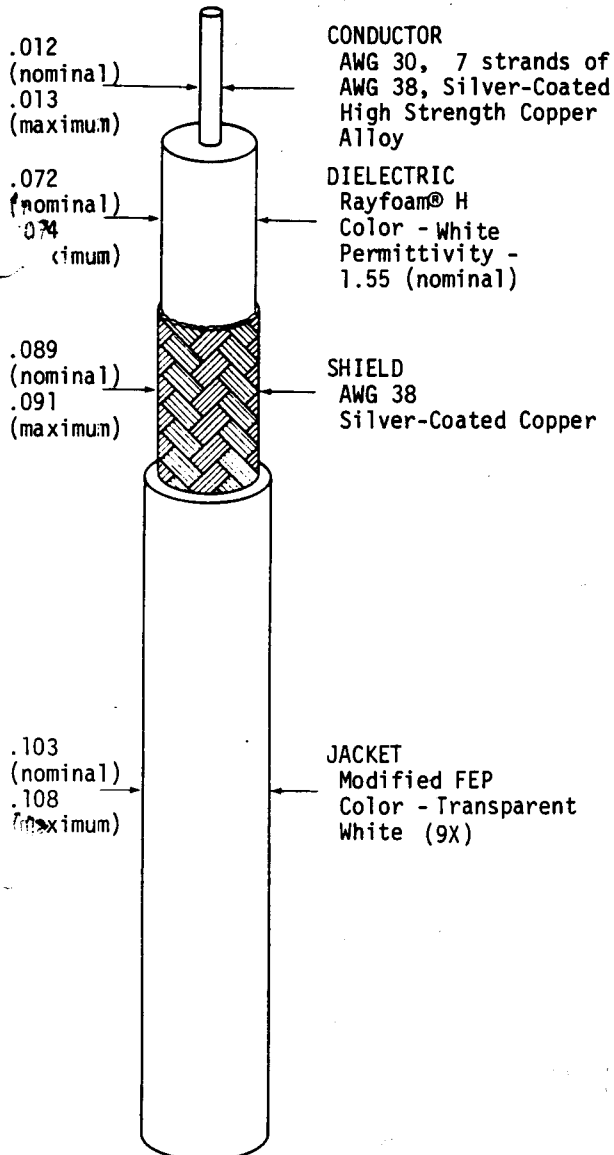
ELONGATION	150% (minimum)
TENSILE STRENGTH	1000 psi (minimum)
JACKET THICKNESS	.006 inch (minimum) .009 inch (maximum)

SHIELD COVERAGE

90% (minimum)

WEIGHT

9.0 lbs/1000 ft. (maximum)



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