SPECIFICATION CONTROL DRAWING

7514A1811

CHEMINAX

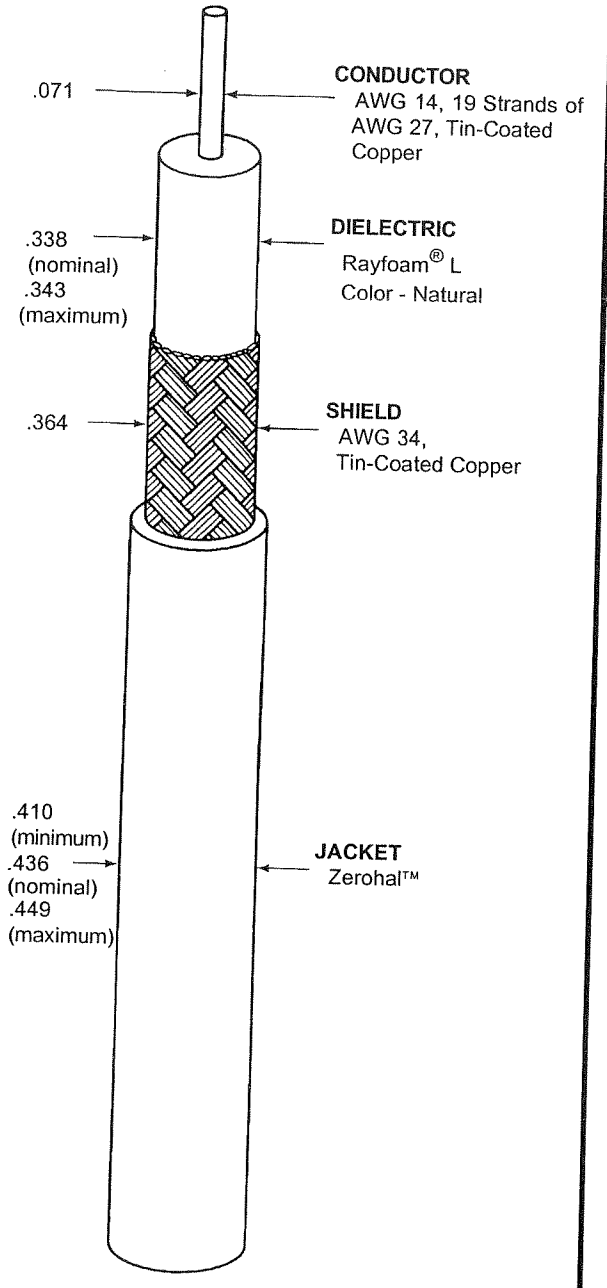
75 OHM, AWG 14, 19 STRANDS OF AWG 27, COAXIAL CABLE

Date: 07-05-01
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.



Outer jacket color will be black designated by a "0" appended to the part number, e.g.7514A1811-0 unless otherwise specified.

Designate outer jacket color with a dash number in accordance with MIL-STD-681

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE	75 ± 3 ohms, Method B
CAPACITANCE	17.6 pF/ft. (nominal) at 1kHz
VELOCITY OF PROPAGATION	77% (nominal)
ATTENUATION (nominal)	.44 dB/100 ft @ 10 MHz 1.09 dB/100ft @ 50 MHz 1.65 dB/100ft @ 100 MHz 4.03 dB/100ft @ 400 MHz

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	2.96 ohms/1000 ft. (nominal)
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)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-30°C/12.00 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), for 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in² (minimum)
JACKET	
ELONGATION	150% (minimum)
TENSILE STRENGTH	1200 lbf/in² (minimum)
JACKET THICKNESS	.036 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT: 92.7 lbs/1000 ft. (nominal)

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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.