

CHEMINAX

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

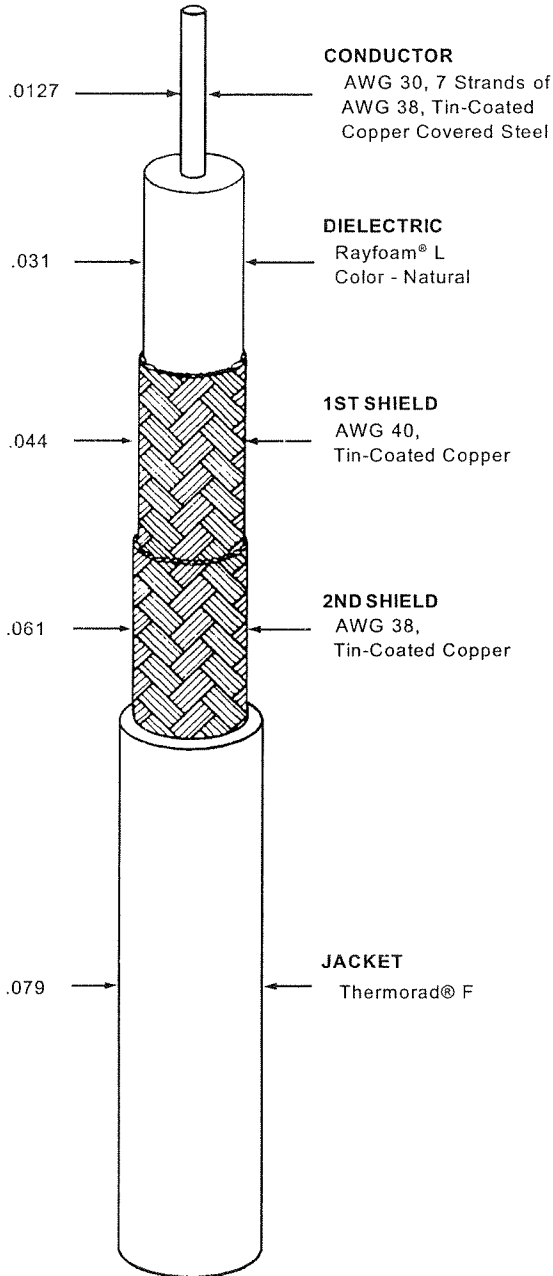
Date: 10-04-00
Revision: C

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	50 ± 2 ohms, Method A
CAPACITANCE	27.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	74% (nominal)

ADDITIONAL REQUIREMENTS

ELECTRICAL

CONDUCTOR RESISTANCE	255. 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)	1000 volts (rms), (minimum)

ENVIRONMENTAL

FLAMMABILITY	Method C
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/2.25 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	1000 lbf/in ² (minimum)
JACKET	
ELONGATION	100% (minimum)
TENSILE STRENGTH	2000 lbf/in ² (minimum)
JACKET THICKNESS	.007 inch (minimum) .009 inch (nominal)
SHIELD COVERAGE (EACH)	90% (minimum)

WEIGHT	5.9 lbs/1000 ft. (nominal)
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Outer jacket color will be black (designated by a "-0" appended to the part number, e.g 5030A3317-0) unless otherwise specified.

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

Raychem

300 Constitution Drive
Menlo Park, California 94025
1 800-2 RAYCHEM FAX: 650-361-6297

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