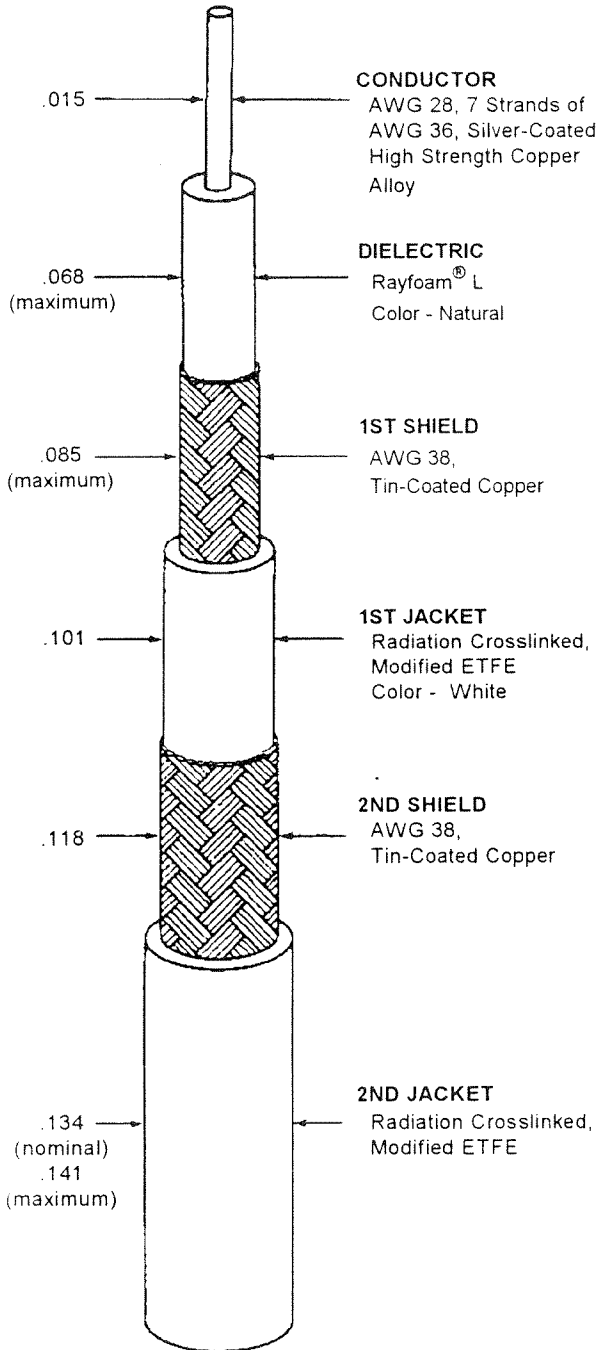


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7528F5614-9) unless otherwise specified.

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

**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	75 ± 5 ohms, Method B
CAPACITANCE	17.1 pF/ft. (nominal) at 1 kHz 19.5 pF/ft. (maximum) at 1 kHz
VELOCITY OF PROPAGATION	79% (nominal)

**ADDITIONAL REQUIREMENTS**

ELECTRICAL

CONDUCTOR RESISTANCE	74.0 ohms/1000 ft. (nominal)
INSULATION RESISTANCE (CONDUCTOR TO SHIELD)	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms), 60 Hz
IMPULSE TEST	6.0 kV, (peak)
VOLTAGE WITHSTAND (DIELECTRIC)	
CONDUCTOR TO SHIELD	1500 volts (rms) (minimum)
SHIELD TO SHIELD	500 volts (rms) (minimum)

ENVIRONMENTAL

AGING STABILITY	135°C/-55°C/3.75 inch mandrel
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE-COLD BEND	-55°C/3.75 inch mandrel
VOLTAGE WITHSTAND (POST ENVIRONMENTAL)	1000 volts (rms), 1 minute

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	800 lbf/in <sup>2</sup> (minimum)
JACKET (EACH)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS (EACH)	.006 inch (minimum) .008 inch (nominal)
SHIELD COVERAGE (EACH)	90% (minimum)

WEIGHT	16.0 lbs/1000 ft. (nominal)
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