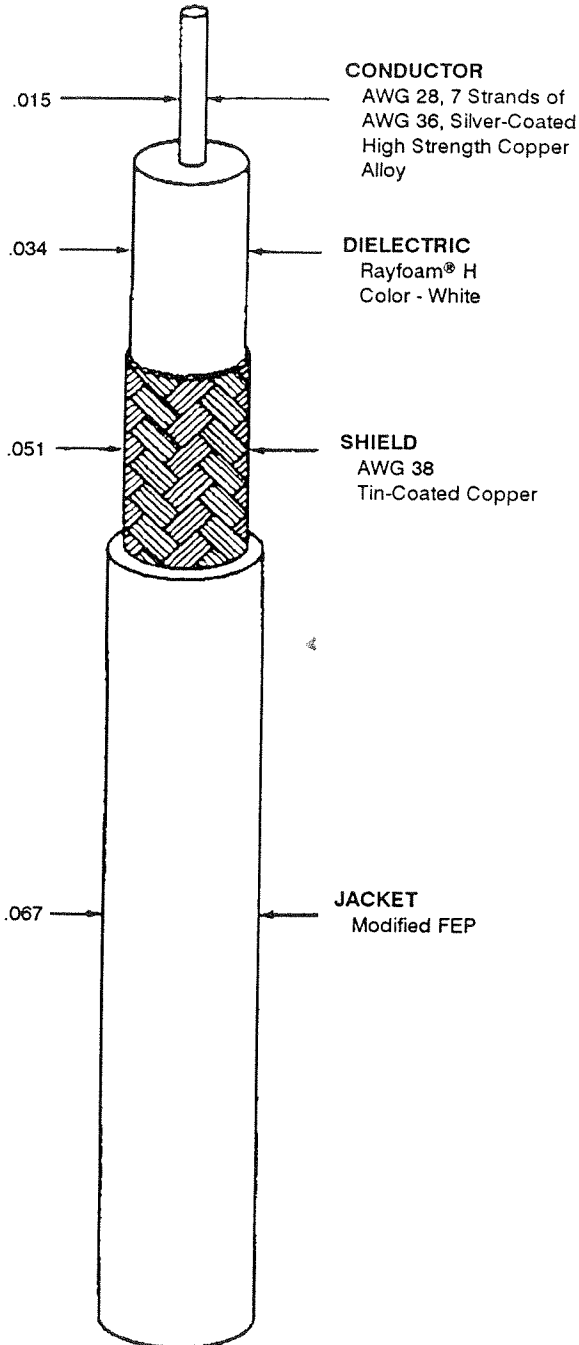


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	50 ± 5 ohms, Method A
CAPACITANCE	26.4 pF/ft. (nominal)
VELOCITY OF PROPAGATION	77% (nominal)

**ADDITIONAL REQUIREMENTS**

ELECTRICAL

CONDUCTOR RESISTANCE	74.0 ohms/1000 ft. (nominal)
INSULATION RESISTANCE	10,000 megohms (minimum) for 1000 ft.
JACKET FLAWS	
SPARK TEST	1.0 kV (rms), 60 Hz
IMPULSE TEST	6.0 kV (peak)
PARTIAL DISCHARGE (CORONA EXTINCTION VOLTAGE)	750 volts (rms) (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

ENVIRONMENTAL

AGING STABILITY	135°C/-55°C/2.00 inch mandrel
FLAMMABILITY	Method B
HEAT SHOCK	225°C
LOW TEMPERATURE- COLD BEND	-55°C/2.00 inch mandrel

PHYSICAL

INSULATION (DIELECTRIC)	
ELONGATION	50% (minimum)
TENSILE STRENGTH	600 lbf/in <sup>2</sup> (minimum)
JACKET	
ELONGATION	200% (minimum)
TENSILE STRENGTH	2000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.0065 inch (minimum)
	.008 inch (nominal)
SHIELD COVERAGE	90% (minimum)

WEIGHT	4.6 lbs/1000 ft. (nominal)
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Outer jacket color will be transparent white (designated by a "-9X" appended to the part number, e.g., 5028A1024-9X) unless otherwise specified.

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