

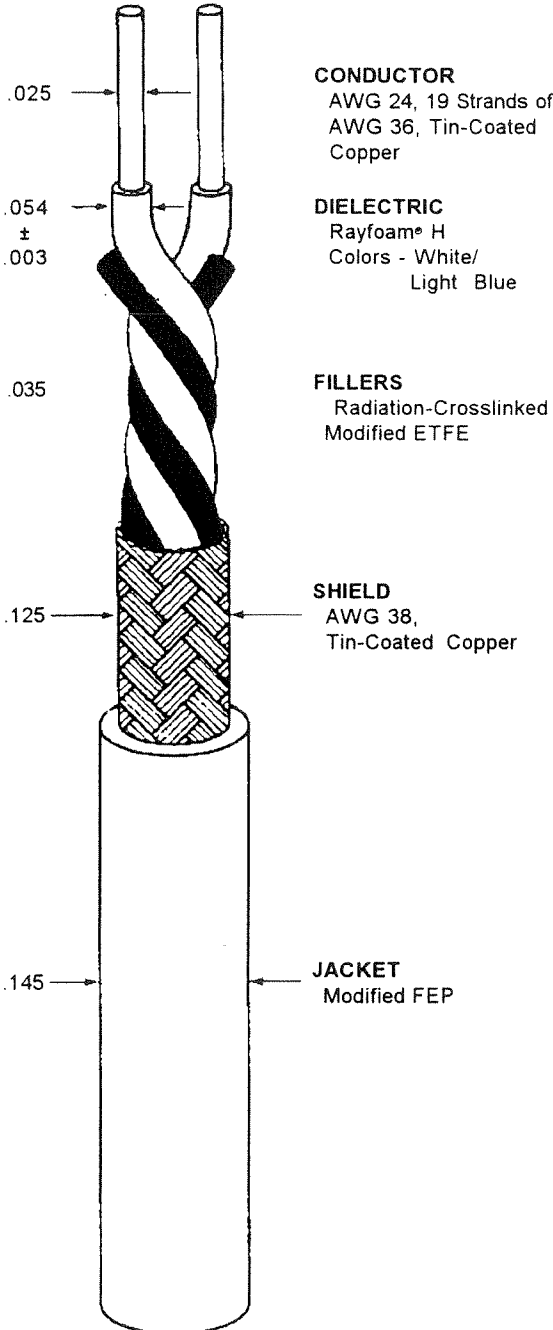
THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

**ELECTRICAL CHARACTERISTICS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.

CHARACTERISTIC IMPEDANCE	100 ± 8 ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	13.5 pF/ft. (nominal)
VELOCITY OF PROPAGATION	76% (nominal)
CAPACITANCE UNBALANCE	3% (nominal)



**ADDITIONAL REQUIREMENTS**

ELECTRICAL

CONDUCTOR RESISTANCE	24.8 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)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms), (minimum)
LOOP RESISTANCE	60 ohms/1000 ft. (nominal)

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

PHYSICAL

INSULATION (DIELECTRIC) (Prior to cabling)	
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	.010 inch (nominal)
SHIELD COVERAGE	90% (minimum)
LOOP-RESISTANCE	60 ohms/1000 ft. (nominal)

WEIGHT	17.3 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. 0024A0021-9X) unless otherwise specified.

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