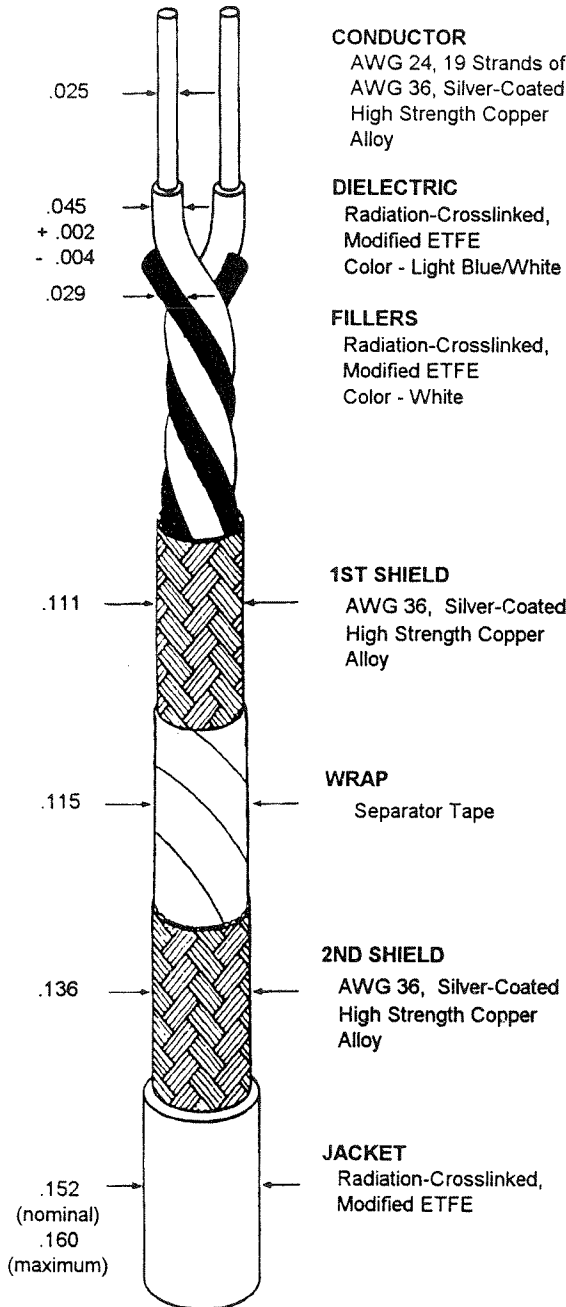


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**CONSTRUCTION DETAILS**

DIMENSIONS ARE NOMINAL VALUES IN INCHES UNLESS OTHERWISE DESIGNATED.



**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	77 + $\frac{3}{7}$ ohms, Method C at 1 MHz
CAPACITANCE - MUTUAL	30 pF/ft. (maximum)
ATTENUATION	1.0 dB/100 ft. (nominal) at 1 MHz 1.4 dB/100 ft. (maximum) at 1 MHz

**ADDITIONAL REQUIREMENTS**

**COMPONENT WIRE PRIOR TO CABLING**  
(Test Procedures Per MIL-W-22759)

ACCELERATED AGING	300 ± 3°C for 1 hour, .500 inch mandrel, .375 lb., 2.5 kV dielectric test
LOW TEMPERATURE COLD BEND	-65 ± 2°C for 4 hours, .750 inch mandrel, 1.00 lb., 2.5 kV dielectric test
SHRINKAGE	200 ± 3°C for 1 hour, .125 inch (maximum) in 12 inches
INSULATION RESISTANCE	5000 megohms for 1000 ft. (minimum)
INSULATION (DIELECTRIC) ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
IMPULSE DIELECTRIC TEST	8.0 kV (peak), 100% test

**FINISHED CABLE (Test Procedures Per MIL-C-27500)**

BLOCKING	200°C for 6 hours
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours, 6.00 inch mandrel
FLAMMABILITY	3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue
LOW TEMPERATURE COLD BEND	-55 ± 5°C for 4 hours, 6.00 inch mandrel
JACKET FLAWS	1000 volts (rms), 60 Hz, 100% test
JACKET ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.008 inch (nominal)
SHIELD COVERAGE (EACH)	90% (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)
WRAP	.001 inch thick (nominal) 25% overlap (minimum)

The length of lay shall be .75 inches (minimum) to 1.25 inches (maximum).

WEIGHT	24.6 lbs/1000 ft. (nominal)
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Outer jacket color will be white (designated by a "-9" appended to the part number, e.g. 7724D3664-9) unless otherwise specified.

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