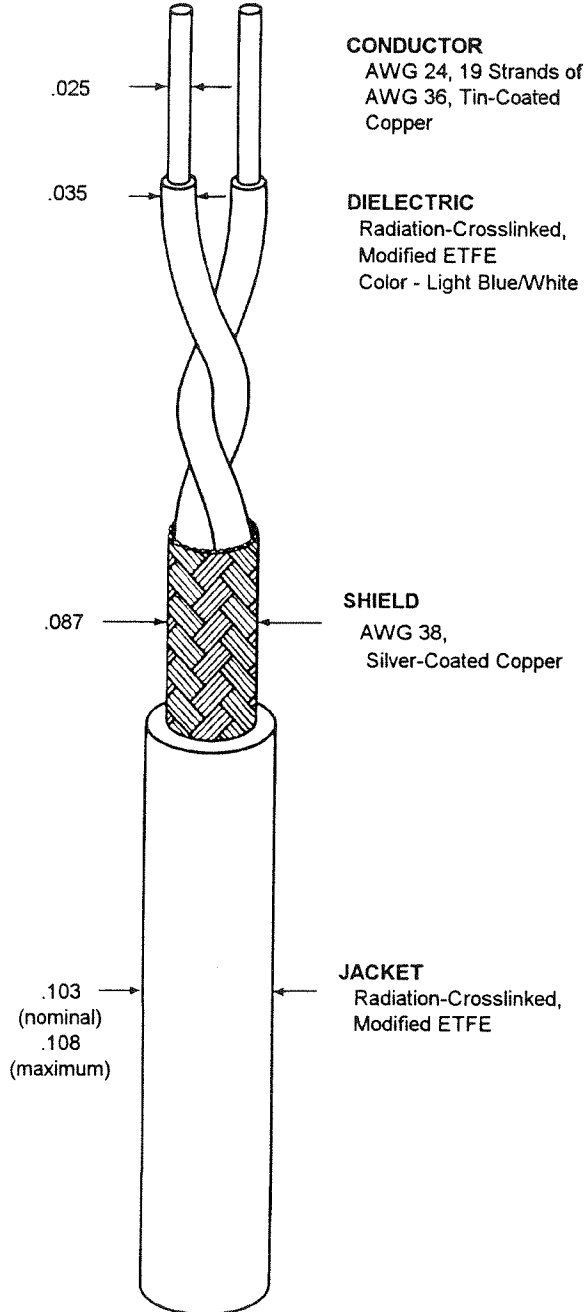


THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

**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. 5024A1661-9) unless otherwise specified.

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

**ELECTRICAL CHARACTERISTICS**

CHARACTERISTIC IMPEDANCE	50 ± 7 ohms, Balanced Impedance, Method C at 1 MHz
CAPACITANCE - MUTUAL	31.9 pF/ft. (nominal)
ATTENUATION	1.4 dB/100 ft. (nominal) at 1 MHz

**ADDITIONAL REQUIREMENTS**

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

ACCELERATED AGING (per MIL-W-22759 Life Cycle procedure)	300 ± 3°C for 7 hours, .500 inch mandrel, .250 lb., 2.5 kV dielectric test
* LOW TEMPERATURE COLD BEND	-65 ± 2°C for 4 hours, 1.00 inch mandrel, 1.00 lb., 2.5 kV dielectric test
SHRINKAGE	200 ± 3°C for 6 hours, .125 inch (maximum) in 12 inches
* INSULATION RESISTANCE	5000 megohms for 1000 ft.
ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
IMPULSE DIELECTRIC TEST	8.0 kV (peak), 100% test

FINISHED CABLE (Per MIL-C-27500)

*BLOCKING	200°C for 6 hours
CROSSLINKED VERIFICATION	300 ± 5°C for 6 hours, 3.00 inch mandrel
*FLAMMABILITY (per Raychem Spec. 55A, procedure 1)	3 seconds (maximum); 3.0 inches (maximum), no flaming of facial tissue
* LOW TEMPERATURE COLD BEND	-55 ± 5°C for 4 hours, 3.00 inch mandrel
JACKET FLAWS	
SPARK TEST	1000 volts (rms), 60 Hz, 100% test
IMPULSE TEST	6.0 kV (peak)
JACKET ELONGATION	50% (minimum)
TENSILE STRENGTH	5000 lbf/in <sup>2</sup> (minimum)
JACKET THICKNESS	.008 inch (nominal)
SHIELD COVERAGE	90% (minimum)
VOLTAGE WITHSTAND (DIELECTRIC)	1000 volts (rms) (minimum)

\*Qualification Test

WEIGHT	9.7 lbs/1000 ft. (maximum)
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