

B3 INTERNATIONAL

CMX UL 1581

Section 10801-2 Thermal Ageing Test

This test establishes the method for determining the resistance of a wire, cable, or cord to the vertical propagation of flame and dropping of flaming particles.

A specimen having a minimum length of 610 mm, the burner is vertical, the height of the test flame shall be adjusted to 125 ± 10 mm, with an inner blue cone 40 ± 2 mm length. A strip of kraft paper placed at the lower edge 254 ± 2 mm above the point at which the inner blue cone of the flame impinges on the specimen. Continuous horizontal layer of cotton shall be placed on the floor of the test chamber.

The angle block shall be moved into position such that the tip of the inner blue cone of the flame impinges on the outer surface of the specimen for 15 s, and is then moved away for 15 s. This cycle shall be repeated until 5 applications of the flame have been completed.

- a) Percentage of the indicator flag burned away or charred (other than simply scorched or soot covered; the portion of the kraft paper in contact with the specimen is not considered part of the flag);
- b) Any ignition of the cotton. Flameless charring of the cotton shall be ignored; and
- c) time for flaming of the specimen to self-extinguish, after the end of each application of the burner flame.

