

IEC 60332 Flame Retardency Test Part 1 & Part 3

IEC 60332 Part 1: Flame Propagation Test (Single Cables)

This test defines the flame propagation characteristics of single vertical insulated wire or cable. The specimen is deemed to have passed this test, if after burning has ceased, the charred or affected portion does not reach within 50mm of the lower edge of the top clamp.



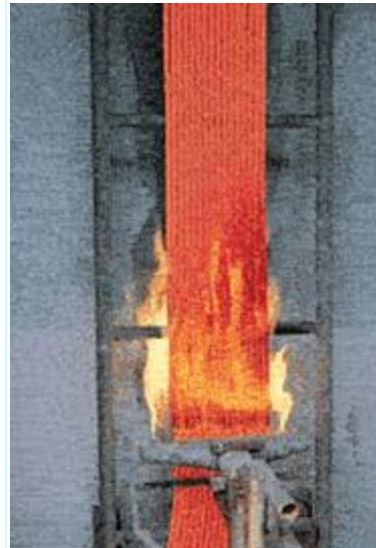
IEC 60332 Part 3: Flame Propagation Test (Bunched Cables)

This test defines vertical flame propagation characteristics of bunched cables. The test comprises of 3 categories each defined by the amount of combustible material in a 1mtr sample, as shown below.

CATEGORY	A	B	C
Number of litres of combustible material in a 1mtr sample	7	3.5	1.5
Exposure to fire in minutes	40	40	20

The cable samples are placed vertically next to one another on a vertical ladder tray where they are exposed to fire from a gas burner for the above mentioned times.

The specimen consisting of 3.5mtr is deemed to have met the requirements, if after burning has ceased, the extent of charred or affected portion does not reach a height exceeding 2.5mtr above the bottom edge of the burner.



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