

Cable tests

Flame tests for electrical cables

Flame tests for electric cables IEC 60332-3-..., EN 60332-3-...

Examination of the vertical flame length of vertical extended bundle of wires and insulated cables

Description	IEC 60332-3-..., EN 60332-3-...
Length of specimen	3500 mm
Burner	Flat burner (Ribbon gas burner of American Gas Furnace Co.)
Test temperature	defined by stipulated flow of gas and air
Position of specimen	vertical
Position of flame	horizontal
Duration of flaming	Category A, B: 40 minutes Category C, D: 20 minutes

The burned portion of the sample must not be longer than 2.5 m measured from the bottom edge of the burner, as far as not otherwise specified in the relevant standards.

Conditions	Category A – 7 l/m	EN 60332-3 - 22	IEC 60332-3 - 22
	Category B – 3,5 l/m	3 - 23	3 - 23
	Category C – 1,5 l/m	3 - 24	3 - 24
	Category D – 0,5 l/m ≤ 12 mm cable-ø	3 - 25	3 - 25
	Volume percent of non metallic material per meter.		

