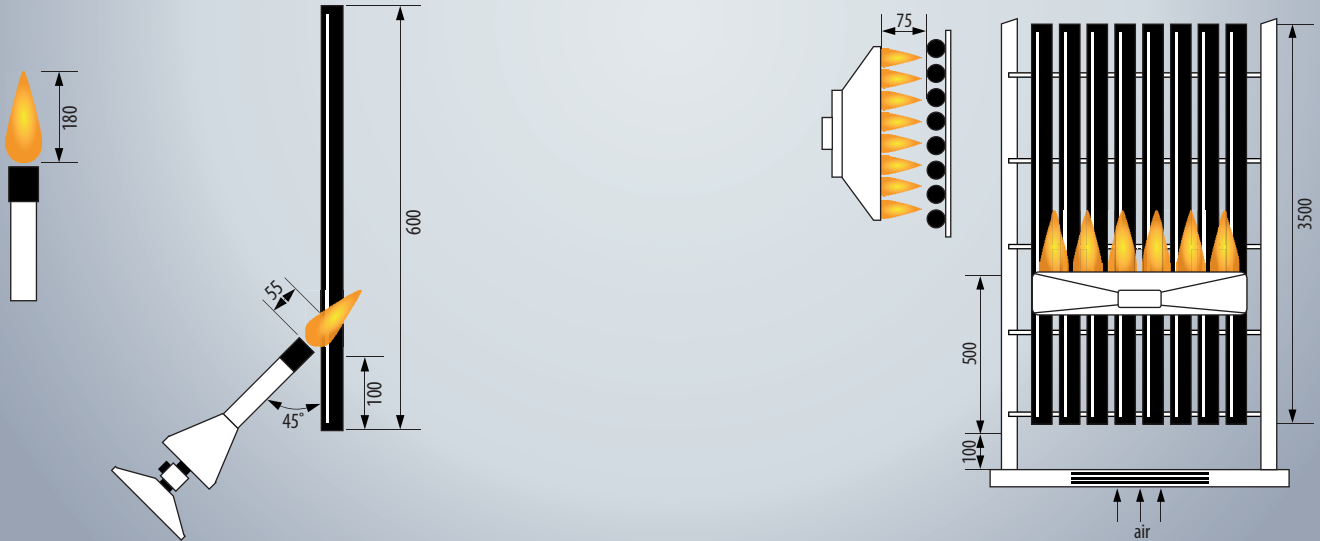


IEC Single and large scale flame tests



IEC 60332-1-2 / EN 60332-1-2 / VG 95218-2 Method 1 / BS 4066 Part 1

Test set-up : The single cable to be tested is fixed vertically and exposed to a Bunsen burner flame at a 45° angle to the vertical. Test apparatus according to IEC/EN 60332-1-1

Flame temperature : Determined by the specified setting of the Bunsen burner flame.

Test duration : Cable with a diameter of ≤ 25 mm: 60 sec
Cable with a diameter of $25 < D \leq 50$ mm: 120sec

Compliance criteria : The fire damage must end at least 50 mm below the upper fixing clamp.
The cable must be self-extinguishing.

IEC 60332-3/EN 50266-2

Test set-up : The cables are fixed to a ladder, close together or at a distance depending on the type of fire. The cables may be fixed in several layers.

Flame temperature : Determined by the specified volume of propane and air.

Test duration : Part 21: Category A F/R only for special applications
Part 22: Category A (7 l flammable material/m): 40 min
Part 23: Category B (3.5 l flammable material/m): 40 min
Part 24: Category C (1.5 l flammable material/m): 20 min
Part 25: Category D (0.5 l flammable material/m): 20 min

Compliance criteria : Fire damage to the cable may be visible for a maximum of 2.5 m from the bottom of the burner to the top.