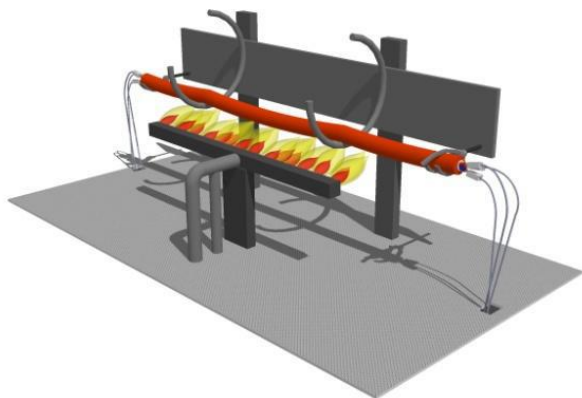


AB01 – ELECTRIC CABLES UNDER FIRE CONDITIONS
TECHNICAL DATASHEET

This test is carried out to verify circuit integrity even during a fire. A sample of cable is held horizontally over a ribbon flame at about 750 °C. A test voltage is applied continuously for a period of 3 hours to the cable and no break or short circuit should occur in the cable. (not supplied)

Complying with Standard: **IEC 60331-11, , BS 6387(C-W-Z), EN 50200, procedure IEC 60331-21**


Technical features:
Sample supporting system

n. 1 110 mm stainless steel rod having Ø 10 mm

n. 5 150 mm Ø rings + n.2 Supports

n.2 double clamps + n. 2 supporting clamps

500 mm long ribbon type propane gas burner with three lines of holes

Complete with Venturi mixer, support, safety igniter

Flame safety device with piezoelectric igniter

Temperature measurement device : n. 2 K-type

stainless steel sheathed thermocouples 1,5 mm

with differential reader



Gas burner ribbon type

Supplies:

- Power 230 V 50Hz single phase
- Propane

Control device for flow rate

Mass flowmeter for propane gas flow 5 l/min, precision ±0,25

Mass flowmeter for air flow 80 l/min, ±5

n.2 pressure gauges suitable for measurements in the range 0 / 7.5 kPa

n.2 air and gas flow adjusting valves

Temperature measure with averaging

It is thus recommended that a standard test chamber, i.e. the design of 27 m3 volume in accordance with IEC 61034-1, be used.

Code	Description
10091201	AB01 Test for electrical cable



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