

Single Wire And Cable Vertical Flame Test Equipment



Product introduction

IEC 60332 Single Insulated Wire or Cable Vertical Flammability Tester is used for conductor diameter greater than 8mm (cross-sectional area greater than 0.5mm²) or less than 8mm (cross-sectional area less than 0.5mm²) of the single wire and cable flammability assessment. It is suitable for the research, production and quality inspection departments of electrical and electronic products and components such as lighting equipment, low voltage electrical appliances, household appliances, machine tools, electrical appliances, electric

tools, electronic instruments, electrical instruments, electrical connectors and accessories. In line with IEC 60332.

Application

Tests on electric and optical fiber cables under fire conditions—Part 1-2: Test for vertical flame propagation for a single insulated wire or cable—Procedure for 1 KW pre-mixed flame

Technical parameters

Outside diameter of wire and cable tested: conductor diameter greater than 0.8mm or cross-sectional area greater than 0.5mm²

The device should be placed in an unventilated and temperature (23±10)°C environment

Burner	Inner diameter $\Phi 9.5\text{mm} \pm 0.5\text{mm}$
Test inclination angle	45° style beam can move back and forth, adjust the position of the Bunsen burner according to the Specimen thickness;
Flame height	20mm \pm 2mm to 190mm \pm 1mm adjustable
Flame time	0-999.9s \pm 0.1s adjustable
Combustion gas	95% propane gas (usually replaced by liquefied petroleum gas)
Gas	high-purity propane gas or liquefied petroleum gas (user-supplied)
The length of the tested wire and cable	600±25mm
Burning torch standard power	1KW
Supply voltage	220V/50Hz
Gas flow	0-1L/min
Air flow	1.5-15L/min
Box material	steel electrostatic spraying
Dimensions	length 60 cm wide 45 cm high 156 cm

Test Standards

IEC60332 MT818 MT386 ISO5656

