

Technical Specifications

ZY6014B

*Vertical Flame Propagation Test Apparatus
for Single Insulated Cables*



Scope of Application	Evaluates flame retardancy for single plastic wires and control, XLPE, elevator, marine, and mining cables
Standards Compliance	IEC 60332-1-1 / IEC 60332-1-2 / IEC 60332-1-3
Flame Power	1 kW premixed flame
Ignition Method	High-voltage automatic ignition
Flame Application Time	0.1~99.99s/m can be set.
Flame Characteristics	Blue core height of 46–78 mm Total luminous flame height of 148–208 mm.
Burner Material	Pure copper
Air Supply	Compressed air 0.7Mpa
Gas Supply	Technical grade propane, ≥95% purity
Test Cable Length	600 ± 25 mm
Test Cable Outer Diameter	1–30 mm
Test Chamber Volume	1.0m ³
Test Chamber Size	1,600mm (H) x 650mm (W) x 1,050mm (L)
Metal Enclosure Size	1,200mm (H) x 300mm (W) x 450mm (D)
Metal Enclosure Material	SUS304#Stainless Steel
Temperature Measurement System	A copper thermal block - 9mm in diameter, 10g in weight.
Control Section	Leading domestic and international brands PLC controller
External Dimensions	1,750mm (H) x 650mm (W) x 1,080mm (L)