



YUYANG INDUSTRIAL CO., LIMITED

China Manufacturer of Fire Testing Equipment

Fire Resistance Test Equipment Wire Testing Equipment IEC 60331 For Line / Cable



- **Product Details:**

- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **IEC 60331 IEC 60331 Part 11 IEC 60331 Part 21 KWS 409**
- Model Number: **YY429**

- **Payment & Shipping Terms:**

- Minimum Order Quantity: **1 set**
- Price: **Negotiation**
- Packaging Details: **Plywood Box**
- Delivery Time: **8-10 work days**
- Payment Terms: **T/T L/C Western Union**
- Supply Ability: **5 sets per month**

- Share to :

Professional IEC 60331 Line and Cable Fire Resistance Testing Equipment

Introduction:

Fire Resistance Tester is used in test conditions where the basic flame temperature is at least 750°C and tests the cable exposed to the flame that needs to maintain the circuit integrity.

Standard:

IEC 60331 - Test for electric cables under fire conditions - Circuit integrity

IEC 60331 Part 11 - Apparatus - Fire alone at a flame temperature of at least 750°C

IEC 60331 Part 21 - Procedures and requirements - Cables of rated voltage up to and including 0.6/1kV

KWS 409 : Wire of Fire Resistance (Fire-Resistance) - 5.14 Fire resistance test

Specification:

1. Test Chamber Size : (W) 1,600 * (D) 500 * (H) 500
2. Heat Source : Ribbon type Propane Gas Burner
3. Burner Dimension : (L) 500 x (W) 10 mm / Space of hole : 3.2mm
4. Flame Failure device, Control thermocouples
5. Pilot feed, Gas flow, Rotameter-type flowmeters
6. Auto Ignition system
7. Mass Flow Controller
8. Gas : 15 SLPM / Signal Output : 0 ~ 5V / Accuracy : ± 1 % fo F.S
9. Air : 180 SLPM / Signal Output : 0 ~ 5V / Accuracy : ± 1 % fo F.S
10. Electric Control : Transformer & Slidacs : 3 Phase 3 wire, 100~1,000V
11. DAQ System

12. 16 channel Analog Input / Output, 200ks/s
13. 16 channel Digital Input / Output
14. Control Rack : (W) 730 x (D) 650 x (H) 1,400 / 19" Rack / Each Assembly Connector

Features:

1. The burner has a Ventury Mixer structure and it's a ribbon type propane gas burner with a front length of 500mm
2. Structured with 3 rows of cross holes, Average front width of burner: 15mm, Hole diameter: 1.32mm, Distance between the center: 3.2mm.
3. Allows a polished hole row in pilot hole for flame preservation in both faces of Burner plate
4. A sample support is fixed with a clamp on the side to avoid movement and the other side allows heat spread in length.
5. The central part of the cable is approx. 300mm separated and it's supported by two metal rings. Besides the 2 metal rings there are other ground connected parts.
6. The internal diameter of sample support ring is approx. 150mm made of metal, round shape with a 10 ± 2 mm diameter.
7. The front of Burner position is located to be at least 200mm from chamber floor or at least 300mm from chamber's wall surface.
8. The horizontal axis of burner is located 70 ± 10 mm downwards from lowest part of sample cable and vertical axis of burner is located approx. 45mm from the vertical axis.
9. Two thermocouple(A,B) are horizontally installed separated 45mm left and right of burner center-line to check if ignition input is within $750\pm 50^\circ\text{C}$.
10. Add for KWA 409(Korea Wire Shipbuilding Industry Cooperative) of Fire resistance test(options)
11. It has 2 type of mode which manual mode by control panel and auto mode by computer software.

Before order, user can select it. It is customizing. And if order IEC 60331-11,12 and BS 6387, user can use one Slidacs system(various up to 1,000V power supplier). Cost should be down.