

Technical Specifications

ZY6014J-BS-PC

Cables Circuit Integrity

Under Fire Conditions Apparatus



Scope of Application	Evaluates whether cables or optical fibers maintain circuit integrity under a flame of at least 750 °C, and under a flame of at least 830 °C with shock and vibration
Standards Compliance	IEC 60331-11 IEC 60331-21 IEC 60331-23 IEC 60331-25
Burner	Ribbon-type propane burner with a Venturi mixer; Nominal flame surface length: 500 mm
Temperature Measurement	Two $\Phi 1.5$ mm mineral-insulated stainless-steel sheathed Type K thermocouples
Flame Temperature	Adjustable from 750° C to 1000° C
Combustion Gas	Propane with a purity of $\geq 98\%$
Mass Flow Meters	Dual mass flow meters Air flow: 3270 $\pm$ 163 mg/s Propane flow: 320 $\pm$ 13 mg/s.
Verification Timer	0 ~ 99.99 min (adjustable) Auto-stop upon reaching set value Accuracy: ± 1 s/h
Ignition Device	Pilot flame ignition
Fire Supply Time	0 ~ 999 min
Machine Operating Power	1 kW
Fuse	2A fuse
Test Voltage (Phase Voltage)	Continuously adjustable from 0 to 1000 V
Control System	Computer-controlled
Ambient Temperature	5° C ~ 30° C
Atmospheric Pressure	86 ~ 106 kPa
Voltage Fluctuation Tolerance	AC 380 V $\pm 10\%$
Frequency Fluctuation Tolerance	50 Hz $\pm 1\%$