

# RELIABILITY

Behind our promise of reliability lies a host of qualities like agility, flexibility and creativity that enable us to always honour our commitment to customers.



*Tai Sin*®

**Category C:**

Cables are subjected to fire at 950°C for 3 hours.



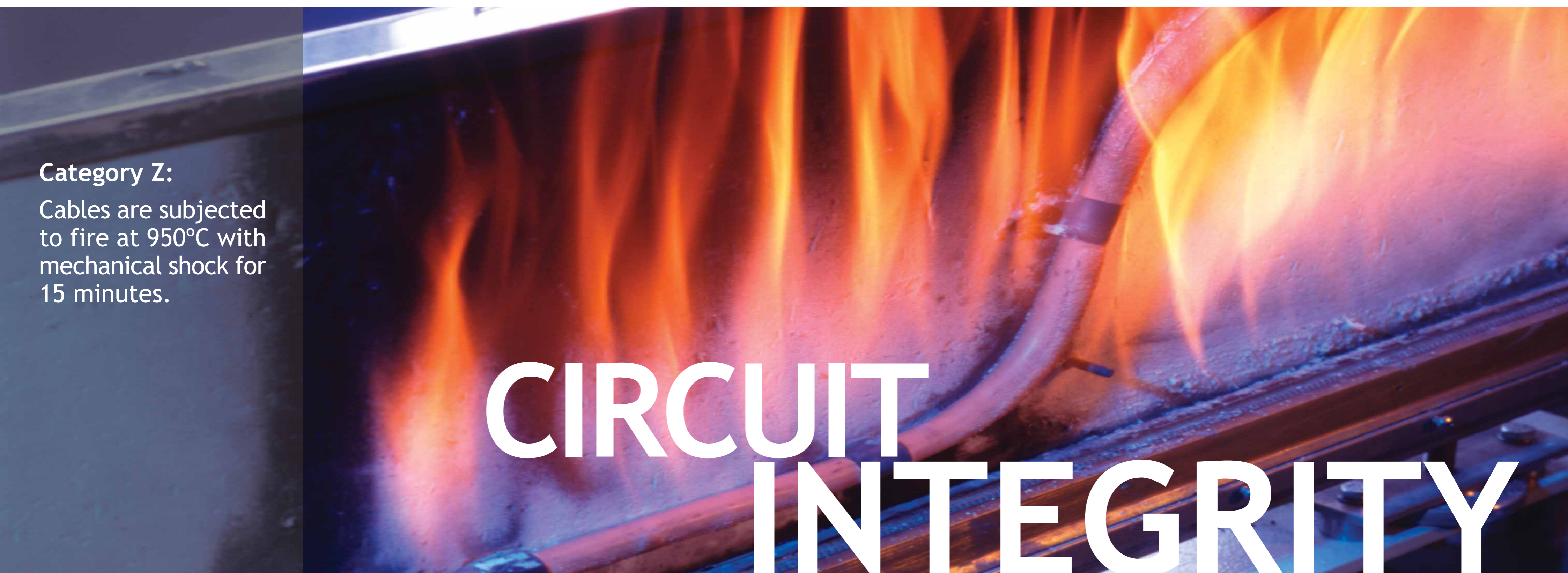
**Category W:**

Cables are subjected to fire at 650°C for 15 minutes, then at 650°C with water spray for a further 15 minutes.



**Category Z:**

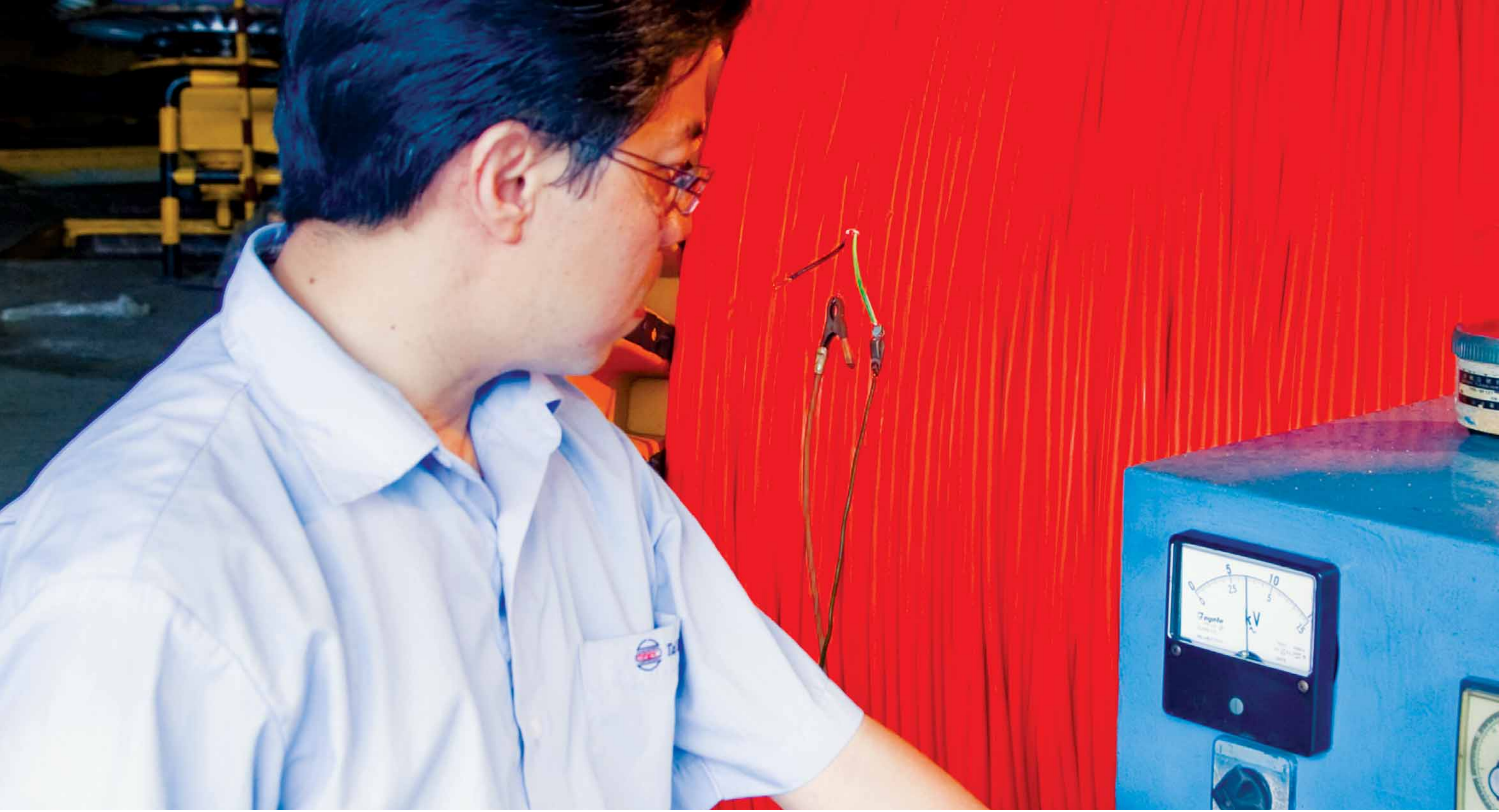
Cables are subjected to fire at 950°C with mechanical shock for 15 minutes.



# CIRCUIT INTEGRITY

All Tai Sin's FR Cables are fabricated to meet the stringent specification requirements to maintain circuit integrity in case of fire and certified to:

- IEC 60331
- BS 6387 C.W.Z.



# ASSURANCE

Our stamp of quality is recognised throughout the industry as a benchmark, testifying to the high standards we uphold as a leader in our field.



**Tai Sin**<sup>®</sup>



# ENHANCED PERFORMANCE

Tai Sin's FRA-XOL Low Smoke Zero Halogen (LSZH) Fire Resistant Cables are suitable for use in emergency circuits in premises such as commercial, industrial and residential buildings, tunnels, hospitals, computer control rooms, elevators and etc.

These cables are designed to meet the requirements as described in BS 5839-1:2002+A2:2008, Clause 26.2d. This range also meets the PH 120 class, having been tested in accordance with BS EN 50200:2006 and passed the 30 minutes survival time test under BS EN 50200:2006 Annex E.



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# FLAME PROPAGATION

The IEC 60332-3 Specification creates a realistic fire situation, and specifies methods for assessing the flame retardance of bunched cables with varying densities of combustible materials.

Tai Sin's Flame Retardant (FRT) & Fire Resistant (FR) Cables are tested and certified to IEC 60332-3-22 (formally IEC 332-3A).

This specification states the number of test pieces required to provide a total volume of 7 litres of non-metallic material, all of which shall be bunched on a ladder and exposed to flame for 40 minutes.

The cable passes the test if after the burning has ceased, the charred or affected portion does not exceed a height of 2.5 metres.



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