

Comparison of International Fire Test Methods



Fire test methods vary between different countries and regions, each with their own criteria and configurations. VITALink® cables are tested in accordance to UL 2196, the standard in USA & Canada.

Code	Good		OK		Inadequate		Unacceptable			
<div>Low to High Performance</div> <div>Low to high difficulty</div>	Country	Test Method	Type of Test	Scale of Test	Test Configuration	Full System Fire Test	Max. Test Temperature	Test Duration	Intervention	Pass Criteria
	USA & Canada	UL 2196	Furnace	Full Scale	Horizontal & Vertical	Yes	1010 °C	2 hours then water test	Full Pressure Fireman's Hose	5 Horizontal 5 Vertical All must pass
	Australia & NZ	AS 3013	Furnace	Medium Scale	Horizontal	No	1040 °C	Up to 2 hours then water test	Water Sprinkle (W)	2 out of 3 pass criteria
	Germany & Belgium	DIN 4012-12	Furnace	Medium Scale	Horizontal	No	1040 °C	90 min	None	Sample tested must pass
	UK & Hong Kong	BS 8491 BS EN 50200 BS 8434-2	Flame	Small Scale	Horizontal	No	842 °C BS 8434-2 at 930 °C	Up to 2 hours then water test	Water Sprinkle (W) Mechanical Shock (Z)	Sample tested must pass
	Asia & Middle East	BS 6387	Flame	Small Scale	Horizontal	No	950 °C Fire + Water at 650 °C	3 hrs Fire Only 30min Fire + Water 15min Mech. Shock	Water Sprinkle (W) Mechanical Shock (Z)	2 out of 3 pass criteria
	RoW	IEC 60331-2	Flame	Small Scale	Horizontal	No	830 °C	3 hours	None	Sample tested must pass