
CERTIFICATE OF APPROVAL
No. ME0189

This is to certify that the referenced products of

Tekab Co. Ltd.
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have been assessed against the requirements of the *warringtonfire – mideast certification scheme* and are approved for use within the scope of any test and/or assessment report(s) referenced.

FIRETEK CABLES

TEKAB UAE FIRETEK 2X1.5 + E
BS:6387 CAT C.W.Z. 300/500 V



TEKAB UAE FIRETEK 2X2.5 + E
BS:6387 CAT C.W.Z. 300/500 V



The FIRETEK CABLE family is intended for emergency lighting & fire alarm system applications. This Approval has been prepared from test data summarised below and derived from the test reports referenced below. Full details of the product, justification for the conclusions given, along with validity statements are given in those reports and ANNEX 1 to this Approval.

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FIRETEK CABLES

WF Report No: 184765	BS 6387: 1994	When tested in accordance with BS 6387: 1994: Section D.4 the cable meets the criteria for Category Z.
WF Report No: 184766	BS 6387: 1994	When tested in accordance with BS 6387: 1994: Section D.4 the cable meets the criteria for Category Z.
BRE Report No: 233264-1	BS 6387: 1994	When tested in accordance with BS 6387: 1994: Section D.2 and D.3 the cable meets the criteria for Category C and W.
BRE Report No: 233264-3 Rev 1	IEC 60331-21: 1999	FIRETEK CABLES meet the performance criteria given in IEC 60331-21: 1999
BRE Report No: 233264-4	IEC 60331-31: 2002	FIRETEK CABLES meet the performance criteria given in IEC 60331-31: 2002

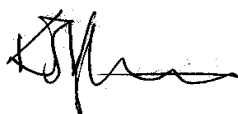
This Approval defines the technical requirements, via testing and appraisal for the certification of multicore and multipair electric cables intended for use in emergency lighting, fire detection and fire alarm circuits.

- have a thermosetting insulation of rated voltage 300/500 V
- provide resistance to fire (circuit integrity), including with mechanical shock and with water, as measured by performance in a standard test(s)
- emit limited amounts of smoke and corrosive gases as measured by standard tests

Approval will apply to materials within a family based upon a given material and specification type. When a company manufactures materials from different families a separate Certificate will be required for each family.

Approval is awarded on the basis of initial type testing as listed above, initial inspection and ongoing surveillance of factory production control, and ongoing compliance with the scheme requirements including labelling of the product as specified. The currency of the certification may be verified at www.warringtonfire.net/mideast.

Signed for and on behalf of Warrington Certification



Sir Ken Knight
Chairman - Management Council

Issued: 6th August 2009
Valid to: 5th August 2014

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ANNEX 1

Product reference		"Firetek Cable"
Cable marking		TEKAB UAE FIRETEK 2X1.5 + E BS:6387 CAT C.W.Z. 300/500 V Or TEKAB UAE FIRETEK 2X2.5 + E BS:6387 CAT C.W.Z. 300/500 V
Cable function		For emergency lighting & fire alarm systems
Number of cores x core size		2X1.5mm ² or 2X2.5mm ²
Voltage rating		300/500 V
Diameter		8.50mm or 9.50mm (stated by sponsor) 7.50mm or 9.25mm (determined by Bodycote warringtonfire)
Weight per unit length		95g/m or 134g/m(stated by sponsor) 94.3g/m or 135.7g/m (determined by Bodycote warringtonfire)
Conductors	Product reference	"BS 4109"
	Generic type	Copper
	Name of manufacturer	Sterlite India
	Total cross-sectional area of each conductor	1.50mm ² or 2.50mm ²
	Weight per unit length of each conductor	13.25g/m or 22g/m
	Number of strands per conductor	One
Conductor insulation	Product reference	"LP 75 A Black 66 – SF1, LP 75 A RED 67-SF1"
	Generic type	Silicon
	Name of manufacturer	Momentive Performance Materials GmbH (GE Silicon)
	Colour	"Red", "Black"
	Thickness	0.70mm or 0.80mm
	Density	1.30g/cm ³
	Trade name of flame retardant	"GE Silicon"
	Generic type of flame retardant	Silicon based
Amount of flame retardant	>95%	
FROH tape	Product reference	"JG-DZRD14"
	Generic type	Low smoke, zero halogen glass fibre tape
	Name of manufacturer	Shenyang Jingging Cable Material Co. Ltd.
	Colour	"White"
	Thickness	0.17mm
	Weight per unit area	180g/m ²
	Trade name of flame retardant	See Note 1 below
	Generic type of flame retardant	Glass fibre
Amount of flame retardant	See Note 1 below	
Drain wire	Product reference	"BS 6360"
	Generic type	Tinned copper
	Name of manufacturer	Drake Wire
	Cross-sectional area	1.50mm ² or 2.50mm ²
	Weight per unit length	13.71g/m or 22.1g/m
	Number of strands	One

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ANNEX 1 - Continued

Foil tape	Product reference	"LG 539"
	Generic type	Aluminium-mylar
	Name of manufacturer	Rogers Induflex NV, Belgium
	Colour	"White/Silver"
	Thickness	0.04mm
	Weight per unit area	87g/m ²
	Flame retardant details	See Note 2 below
Outer sheath	Product reference	"ZHFR 34-UV"
	Generic type	Polypropylene
	Name of manufacturer	Shakun Polymer
	Colour	"Red"
	Thickness	0.90mm or 1.00mm
	Density	1.44g/cm ³ or 1.5g/cm ³
	Trade name of flame retardant	See Note 1 below
	Generic type of flame retardant	Aluminum Hydroxide
Amount of flame retardant	43%	
Brief description of manufacturing process		Wires are drawn from copper rod, extruded with silicon rubber, assembled, taped, shielded and extruded with low smoke zero halogen compound.

Note 1. The sponsor of the test was unable to provide this information.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.