

Certificate of Product Approval

Certificate Number: 1510a

Issue: 02

BURN CABLE MANAGEMENT SYSTEMS (B. C. M. S. Sarl)

4 Rue Des Valettes,
Zone Industrielle,
45140 Ingre,
France



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

Product(s)

Cable Types as listed below:
FM100 Fire Resistant Cable Simplex UK

Standard(s) (see Appendix for details)

BS 6387:2013
EN 60754-1:2014
EN 60754-2:2014
EN 61034-2:2005+A1:2013
IEC 60331-21:1999
EN 50200:2015 (Class PH120)
EN 50200:2015 Annex E (30 mins)
BS 8434-2:2003+A2:2009 (120 mins)

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd.

Karen Coull
Certification Scheme Manager

21 January 2019
Date of Issue

17 December 2018
Date of First issue



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Product name									LPCB Ref. No.
FM100 Fire Resistant Cable Simplex UK									1510a/01
Nominal csa of conductor (mm ²)	Core Construction	BS 6387	EN 60754-1	EN 60754- 2	EN 61034- 2	IEC 60331- 21	EN 50200 PH 120	EN 50200 ANNEX E	BS 8434-2
1.5	One ⁽¹⁾	C W Z ⁽²⁾	<0.5% HCl	Complies	>60%	Complies ⁽³⁾	PH120 ⁽⁴⁾	30 Mins	120 Mins
2.5	One ⁽¹⁾	C W Z ⁽²⁾	<0.5% HCl	Complies	>60%	Complies ⁽³⁾	PH120 ⁽⁴⁾	30 Mins	120 Mins
4.0	One ⁽¹⁾	C W Z ⁽²⁾	<0.5% HCl	Complies	>60%	Complies ⁽³⁾	PH120 ⁽⁴⁾	30 Mins	120 Mins
6.0	One ⁽¹⁾	C W Z ⁽²⁾	<0.5% HCl	Complies	>60%	Complies ⁽³⁾	PH120 ⁽⁴⁾	30 Mins	120 Mins
10	One ⁽¹⁾	C W Z ⁽²⁾	<0.5% HCl	Complies	>60%	Complies ⁽³⁾	PH120 ⁽⁴⁾	30 Mins	120 Mins

Uo/U 600/1000V

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Notes:

1. Stranded conductor only.
2. To satisfy the requirement of BS 6387:2013, for Categories CWZ, testing was conducted using a 20mm stainless steel conduit as the other metallic element.
3. The FM100 Fire Resistant Cable Simplex UK cables met the requirements of IEC 60331-21:1999 when tested at a temperature of 950°C for a duration of 120 mins + 15 mins cool down, at a voltage rating of 600V.
4. Standards EN50200 & BS 8434-2 do not recognise cables in conduit. However, in order to test to the methodologies given in EN 50200 & BS 8434-2 required by specific regions, testing was conducted by inserting cable into a 20mm steel conduit.
5. The duration of 30 min when tested in accordance with EN 50200:2015 Annex E is achieved by 15 min for the fire and mechanical shock phase and a further 15 min for the fire, mechanical shock and water phase.
6. The FM100 Fire Resistant Cable Simplex UK cables listed met Class PH120 when tested in accordance with EN 50200:2015 and met the 120min duration when tested in accordance with BS 8434-2:2003+A2:2009.

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The logo for BRE (Building Research Establishment), consisting of the lowercase letters 'bre' in a bold, sans-serif font.