

Certificate of Product Approval

Certificate Number: 221f

Issue: 09

AEI CABLES LIMITED

Unit 32, Crowther Road
Crowther Industrial Estate
Washington
Tyne & Wear
NE38 0AQ



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:
Firetec Enhanced Multicore LSZH

Standard(s) (see Appendix for details)

BS 7629-1:2015 (Enhanced 120)
BS 6387:2013 (Category CWZ)
EN 50200:2015 (Class PH120)
BS 8434-2:2003+A2:2009 (120 mins)
BS 5839-1:2013 (Clause 26.2e Enhanced)
BS 8519:2010 Cat 3

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

8 July 2019
Date of Issue

30 June 2005
Date of First issue



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T: +44 (0)333 321 8811 E: enquiries@breglobal.com

LPCB® is a registered trademark of the Building Research Establishment Ltd.



Appendix to Certificate No: 221f AEI CABLES LIMITED

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Product name							LPCB Ref. No.
Firetec Enhanced Multicore LSZH							221f/01
Nominal csa of conductor (mm ²)	Core Construction	BS 7629-1 See note 3	BS 6387	EN 50200 See note 4	BS 8519 See note 4	BS 8434-2 See note 5	BS 5839-1 See note 6
1.5 ^(1 & 2)	2, 3 & 4	ENHANCED 120	C, W, Z	Class PH120	Cat 3	120 min	Enhanced 26.2e
2.5 ^(1 & 2)	2, 3 & 4	ENHANCED 120	C, W, Z	Class PH120	Cat 3	120 min	Enhanced 26.2e
4.0 ⁽²⁾	2, 3 & 4	ENHANCED 120	C, W, Z	Class PH120	Cat 3	120 min	Enhanced 26.2e

Uo/U 300/500V

Notes:

- Solid conductor only.
- Stranded construction only.
- In meeting the requirements of BS 7629-1:2015 Enhanced 120, the Firetec Enhanced Multicore LSZH cables listed met the requirements for smoke density of EN 61034-2:2005+A1:2013, achieved less than 0.5%HCI for the insulation, binder tape and outer covering when tested in accordance with EN 60754-1:2014 and in addition also met the fire resistance requirements of BS 6387:2013 Categories CWZ.
- When tested in accordance with EN 50200:2015 PH120 at a modified flame temperature of (930⁺⁴⁰) °C and the application of water the cable met the requirements for a Category 3, control cable as described in clause 11 to BS 8519:2010.
- The duration of 120 mins when tested in accordance with BS 8434-2:2003+A2:2009 is achieved by 60 mins for the fire and mechanical shock phase and an additional 60 mins for the fire, mechanical shock and water phase.
- The Firetec Enhanced Multicore LSZH cables listed conform to BS 7629-1:2015, met Class PH120 when tested in accordance with EN 50200:2015 and met the 120 mins duration when tested in accordance with BS 8434-2:2003+A2:2009 and hence met the requirements for an enhanced fire resistance cable as described in Clause 26.2e of BS 5839-1:2013.
- Approved Manufacturers

The following company manufacture the listed cable on this certificate.

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This company is audited by the LPCB to ensure the product certification requirements are met.

Dubai Cable Company (Private) Limited, Trading as Ducab (LPCB No.949e)

Ducab-M2, Plot No. - J6 14-15-16

Sector - M41, Industrial City of Abu Dhabi-1

Mussafah

Abu Dhabi

United Arab Emirates

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