

Certificate of Product Approval

Certificate Number: 221f

Issue: 11

AEI CABLES LIMITED

Unit 9, Tilley Road
Crowther Industrial Estate
Washington
Tyne & Wear
NE38 0AE

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 minutes)
BS 5839-1:2017 (Clause 26.2e Enhanced)
BS 8519:2020 Clause 11 Category 3

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

Obada Piracha

Signed for BRE Global Ltd.

Obada Piracha

Senior Certification Manager

9 May 2025

Date of Issue

30 June 2005

Date of First issue



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



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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 (mm²)	Core Construction	BS 7629-1 See note 3	BS 6387	EN 50200	BS 8434-2 See note 5	BS 8519 (Clause 11) See note 4	BS 5839-1 See note 6
1.5 ^(1 & 2)	2, 3 & 4	Enhanced 120	C, W, Z	Class PH120	120 minutes	Category 3	Enhanced 26.2e
2.5 ^(1 & 2)	2, 3 & 4	Enhanced 120	C, W, Z	Class PH120	120 minutes	Category 3	Enhanced 26.2e
4.0 ⁽²⁾	2, 3 & 4	Enhanced 120	C, W, Z	Class PH120	120 minutes	Category 3	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, achieved less than 0.5% HCl for the insulation, binder tape and outer covering when tested in accordance with EN 60754-1 and in addition also met the fire resistance requirements of BS 6387:2013 Categories CWZ.
- The Firetec Enhanced Multicore LSZH cables listed conform to BS 7629-1:2015, met Class PH120 when tested in accordance with EN 50200:2015, met the 120 minutes duration when tested in accordance with BS 8434-2:2003+A2:2009 and tested in accordance with EN 50200:2015 PH120 at a modified temperature of (930⁺⁴⁰) °C with the application of water, hence met the requirements for a Category 3, control cable as described in clause 11 to BS 8519:2020..
- The duration of 120 minutes when tested in accordance with BS 8434-2:2003+A2:2009 is achieved by 60 minutes for the fire and mechanical shock phase and an additional 60 minutes 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 minutes 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 5839-1:2017.
- Approved Manufacturers

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The following company manufacture the listed cable on this certificate.
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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	Obada Piracha	9 May 2025	30 June 2005
Signed for BRE Global Ltd.	Senior Certification Manager	Date of Issue	Date of First issue



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