

Certificate of Product Approval

Certificate Number: 1343c

Issue: 03

ALFANAR

3rd Industrial Area
New AL Kharj Road
P.O. Box 564
Riyadh 11383
Saudi Arabia



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:
Alfanar FIREPROOF (F120) Multi-core Cables

Standard(s) (see Appendix for details)

BS 7846:2015 Cat F2 & F120
EN 60754-1:2014
EN 60754-2:2014
EN 61034-2:2005+A1:2013
IEC 60332-3-24:2009
IEC 60331-21:1999

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
Certification Scheme Manager

6 November 2020
Date of Issue

17 June 2016
Date of First issue



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Appendix to Certificate No: 1343c ALFANAR

Issue: 03

Product name				LPCB Ref. No.
Alfanar FIREPROOF (F120) Multi-core Cables				1343c/01
Nominal csa of conductor (mm ²)	Core Construction	BS 7846	IEC 60331-21	EN 60754-2
1.5	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
2.5	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
4.0	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
6.0	2 & 3 ⁽¹⁾	F2 ⁽²⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
6.0	4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
10	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
16	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
25	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
35	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
50	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
70	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
95	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾

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Appendix to Certificate No: 1343c ALFANAR

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Product name		LPCB Ref. No.		
Alfanar FIREPROOF (F120) Multi-core Cables		1343c/01		
Nominal csa of conductor (mm ²)	Core Construction	BS 7846	IEC 60331-21	EN 60754-2
120	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
150	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
185	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
240	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
300	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾
400	2, 3 & 4 ⁽¹⁾	F2 ⁽²⁾ & F120 ⁽³⁾	Complies ⁽⁴⁾	Complies ⁽⁵⁾

Uo/U 600/1000V

Notes:

1. Stranded conductors only.
2. In meeting the requirements of BS 7846:2015 Category F2, the Alfanar FIREPROOF (F120) Multi-core Cables met the requirements for smoke density to EN 61034-2:2005, fire resistance to BS 6387:2013 CWZ and achieved less than 0.5%HCl on the insulation, tapes, filler, bedding and outer covering when tested in accordance with EN 60754-1:2014.
3. In meeting the requirements of BS 7846:2015 Category F120, the Alfanar FIREPROOF (F120) Multi-core Cables listed met the fire resistance requirements for 120 minutes according to BS 8491:2008 for cables with an outer diameter above 20mm only.
4. The Alfanar FIREPROOF (F120) Multi-core Cables met the requirements of IEC 60331-21:1999 when tested at a temperature of 950°C for a duration of 90mins + 15mins cool down, at a voltage rating of 600/1000V,
5. Tested to general method given in EN 60754-2:2014.

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