

Certificate of Product Approval

Certificate Number: 1281b

Issue: 04



DOHA CABLES

MIC Community Area
Mesaieed,
Qatar 22487
Doha,
Qatar

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:
FIRE GUARD 100®

Standard(s) (see Appendix for details)

BS 6387:2013 CWZ
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)
IEC 60332-1-2:2004

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

15 November 2018
Date of Issue

17 May 2016
Date of First issue



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



Appendix to Certificate No: 1281b DOHA CABLES

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Product name									LPCB Ref. No.
FIRE GUARD 100®									1281b/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	BS 8434-2	IEC 60332-1-2
1.5	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
2.5	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
4.0	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
6.0	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
10	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
16	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
25	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
35	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
50	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
70	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies
95	One ⁽¹⁾	CWZ ^(2 & 3)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	PH120 ⁽⁷⁾ & Annex E ^(7, 8)	120min ⁽⁷⁾	Complies

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120	One ⁽¹⁾	C ^(2 & 4)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	-	-	Complies
150	One ⁽¹⁾	C ^(2 & 4)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	-	-	Complies
185	One ⁽¹⁾	C ^(2 & 4)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	-	-	Complies
240	One ⁽¹⁾	C ^(2 & 4)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	-	-	Complies
300	One ⁽¹⁾	C ^(2 & 4)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	-	-	Complies
400	One ⁽¹⁾	C ^(2 & 4)	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	-	-	Complies
500	One ⁽¹⁾	-	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	-	-	Complies
630	One ⁽¹⁾	-	<0.5% HCl	Complies ⁽⁵⁾	>60%	Complies ⁽⁶⁾	-	-	Complies

Uo/U 600/1000V

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Notes:

1. Stranded conductors only.
2. Where a single cable is fitted in a conduit, only phase to earth voltage was applied.
3. To satisfy the requirement of BS 6387, testing for C, W & Z categories were conducted using a 20mm stainless steel conduit as the other metallic element.
4. To satisfy the requirement of BS 6387, testing for category C was conducted using a 38mm stainless steel conduit as the other metallic element.
5. Tested to general method given in EN 60754-2:2014.
6. The FIRE GUARD 100® cables met the requirements of IEC 60331-21: 1999 when tested at a temperature of 950°C for a duration of 90mins at a voltage rating of 600V.
7. 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 using a 20mm steel conduit.
8. The duration of 30min when tested in accordance with EN 50200:2015 Annex E is achieved by 15min for the fire and mechanic shock phase and a further 15min for the fire mechanic shock and water phase.

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