

Certificate of Product Approval

Certificate Number: 782c

Issue: 09

DUBAI CABLE COMPANY (PRIVATE) LIMITED

Ducab-M1
 Plot No. – 2D12,3D2,4D2,5D2
 Sector M41
 Industrial City of Abu Dhabi-1
 Mussafah
 Abu Dhabi
 United Arab Emirates

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:
 Ducab Flam BICC 1

Standard(s) (see Appendix for details)

BS 6387:2013 (CWZ)
 EN 60754-1:2014
 EN 61034-2:2005+A1:2013
 IEC 60331-21:1999
 IEC 60332-3-24:2009
 BS 8434-2:2003+A2:2009 (120 mins)
 EN 50200:2015 (Class PH120)

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

30 October 2018
 Date of Issue

24 March 2009
 Date of First issue



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Appendix to Certificate No: 782c DUBAI CABLE COMPANY (PRIVATE) LIMITED

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Product name								LPCB Ref. No
Ducab Flam BICC 1								782c/01
Nominal csa of conductor (mm ²)	Core Construction	BS 6387 See note 3	BS 8434-2 See note 5	EN 50200 See note 5	EN 60754-1	EN 61034-2	IEC 60332-3-24	IEC 60331-21 See note 4
1.5	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	-	Complies
2.5	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	-	Complies
4.0	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	-	Complies
6.0	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	-	Complies
10	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	Complies	Complies
16	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	Complies	Complies
25	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	Complies	Complies
35	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	Complies	Complies
50	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	Complies	Complies
70	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	Complies	Complies
95	One ⁽¹⁾	CWZ	120 mins	PH120	<0.5% HCl	>60%	Complies	Complies
120	One ⁽¹⁾	C	-	-	<0.5% HCl	>60%	Complies	Complies
150	One ⁽¹⁾	C	-	-	<0.5% HCl	>60%	Complies	Complies

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Product name							LPCB Ref. No	
Ducab Flam BICC 1							782c/01	
Nominal csa of conductor (mm ²)	Core Construction	BS 6387 See note 3	BS 8434-2 See note 5	EN 50200 See note 5	EN 60754-1	EN 61034-2	IEC 60332-3-24	IEC 60331-21 See note 4
185	One ⁽¹⁾	C	-	-	<0.5% HCl	>60%	Complies	Complies
240	One ⁽¹⁾	C	-	-	<0.5% HCl	>60%	Complies	Complies
300	One ⁽¹⁾	C	-	-	<0.5% HCl	>60%	Complies	Complies
400	One ⁽¹⁾	C	-	-	<0.5% HCl	>60%	Complies	Complies
500	One ⁽¹⁾	-	-	-	<0.5% HCl	>60%	Complies	Complies
630	One ⁽¹⁾	-	-	-	<0.5% HCl	>60%	Complies	Complies
800	One ⁽¹⁾	-	-	-	<0.5% HCl	>60%	Complies	Complies
1000	One ⁽¹⁾	-	-	-	<0.5% HCl	>60%	Complies	Complies

Uo/U 600/1000V

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Notes:

1. Stranded conductor only.
2. Where a single cable is tested in a conduit, only phase to earth voltage was applied.
3. When testing to BS 6387:2013, for Categories CWZ, testing was conducted using a 20mm or 38mm stainless steel conduit. Either one or three conductors are tested, and this is dependent on cable diameter. The conduit in all cases is connected to the neutral of the transformer.
4. The Ducab Flam BICC 1 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 600V.
5. Standards EN 50200 & BS 8434-2 do not recognise cables in conduit. However, to test the methodologies given in EN 50200 & BS 8434-2 required by specific regions, testing was conducted using a 20mm steel conduit.

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