

Certificate of Product Approval

Certificate Number: 217d

Issue: 11

CAVICEL SpA

Via Caduti del Lavoro 18/A
20096 Pioltello
Milan
Italy



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:
FIRECEL SR 112

Standard(s) (see Appendix for details)

BS 6387:2013 (Category CWZ)
EN 60754-1:2014
EN 60754-2:2014
BS 8434-2:2003+A2:2009 (120 mins)
EN 50200:2015 (Class PH120)
EN 50200:2015 Annex E (30 mins)
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.

Signed for BRE Global Ltd.

Tony Baker
Certification Scheme Manager

4 October 2019
Date of Issue

4 February 2011
Date of First Issue



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Appendix to Certificate No: 217d CAVICEL SpA

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Product name							LPCB Ref. No.
FIRECEL SR 112							217d/01
Nominal csa of conductor (mm ²)	Core Construction (excluding drain wire and earth)	BS 6387 See notes 2 & 3	BS 8434-2	EN 50200	IEC 60331-21 See note 4	EN 60754-2	EN 60754-1
1.5	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl
2.5	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl
4.0	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl
6.0	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl
10	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl
16	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl
25	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl
35	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl
50	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl
70	One	C, W, Z	120 mins	PH120, Annex E	Complies	Complies	< 0.5% HCl

Uo/U 450/750V

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Notes:

1. Stranded conductor only.
2. Where a single cable is fitted in a conduit, only phase to earth voltage was applied.
3. When testing to BS 6387: 2013 Category CWZ, testing was conducted using a 20mm or 38mm stainless steel conduit. Either one or three conductors are tested, this is dependent on cable diameter. The conduit in all cases is connected to the neutral of the transformer.
4. The Firecel SR 112 cables met the requirements of IEC 60331-21:1999 when tested at a temperature of 750 °C for a duration of 90mins + 15mins cool down, at a voltage rating of 450V.

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