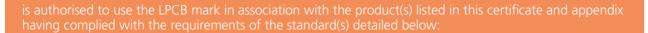


## **Certificate of Product Approval**

Certificate Number: 1302a Issue: 02

### **IDH CABLES LIMITED**

Millbanks New Ross County Wexford IRELAND



#### Product(s)

Cable Types as listed below: Kilflam 1000

See Certificate Appendix for details

#### Standard(s) (see Appendix for details)

BS 6387:2013

EN 50267-2-1:1999

EN 50267-2-2:1999

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)

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

Damier Ward

Damien Ward

08 February 2017

08 June 2015

Certification Scheme Manager Date o

Date of Issue

Date of First issue





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## Appendix to Certificate No: 1302a **IDH CABLES LIMITED**

Product name LPCB Ref. No.

Kilflam 1000 1302a/01

Nominal csa of conductor (mm²)	Core Constructi on	BS 6387	EN 50267- 2-1	EN 50267- 2-2	EN 61034- 2	IEC 60331- 21	EN 50200 PH 120	EN 50200 ANNEX E	BS 8434-2
1.0	One <sup>(1)</sup>	CWZ <sup>(2)</sup>	<0.5% HCI	Complies	>60%	Complies <sup>(3)</sup>	PH120 <sup>(4)</sup>	30 Mins	120 Mins
1.5	One <sup>(1)</sup>	CWZ <sup>(2)</sup>	<0.5% HCI	Complies	>60%	Complies <sup>(3)</sup>	PH120 <sup>(4)</sup>	30 Mins	120 Mins
2.5	One <sup>(1)</sup>	CWZ <sup>(2)</sup>	<0.5% HCI	Complies	>60%	Complies <sup>(3)</sup>	PH120 <sup>(4)</sup>	30 Mins	120 Mins
4.0	One <sup>(1)</sup>	CWZ <sup>(2)</sup>	<0.5% HCI	Complies	>60%	Complies <sup>(3)</sup>	PH120 <sup>(4)</sup>	30 Mins	120 Mins
6.0	One <sup>(1)</sup>	CWZ <sup>(2)</sup>	<0.5% HCI	Complies	>60%	Complies <sup>(3)</sup>	PH120 <sup>(4)</sup>	30 Mins	120 Mins
10	One <sup>(1)</sup>	CWZ <sup>(2)</sup>	<0.5% HCI	Complies	>60%	Complies <sup>(3)</sup>	PH120 <sup>(4)</sup>	30 Mins	120 Mins

Uo/U 600/1000V

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Damier Ward

Damien Ward

08 February 2017

08 June 2015

Signed for LPCB

Certification Scheme Manager

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# Appendix to Certificate No: 1302a IDH CABLES LIMITED

#### Notes:

- 1. Stranded conductor only.
- 2. To satisfy the requirement of BS 6387:2013, for Categories CWZ, testing was conducted using a 20mm stainless steel conduit as the other metallic element.
- 3. The Kilflam 1000 cables met the requirements of IEC 60331-21:1999 when tested at a temperature of 950°C for a duration of 120 mins + 15 mins cool down, at a voltage rating of 600V.
- 4. 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 by inserting cable into a 20mm steel conduit.
- 5. The duration of 30 min when tested in accordance with EN 50200:2015 Annex E is achieved by 15 min for the fire and mechanical shock phase and a further 15 min for the fire, mechanical shock and water phase.
- 6. The Kilflam 1000 cables listed met Class PH120 when tested in accordance with EN 50200:2015 and met the 120min duration when tested in accordance with BS 8434-2:2003+A2:2009

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Damier Ward

Signed for LPCR

Damien Ward

08 February 2017

08 June 2015

d for LPCB Certification Scheme Manager

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