

## Certificate of Product Approval

Certificate Number: 1302a

Issue: 02

### IDH CABLES LIMITED

Millbanks  
New Ross  
County Wexford  
IRELAND



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:  
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.

*Damien Ward*

Signed for LPCB

Damien Ward  
Certification Scheme Manager

08 February 2017  
Date of Issue

08 June 2015  
Date of First issue



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

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Product name		LPCB Ref. No.							
Kilflam 1000		1302a/01							
Nominal csa of conductor (mm <sup>2</sup> )	Core Construction	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% HCl	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% HCl	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% HCl	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% HCl	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% HCl	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% HCl	Complies	>60%	Complies <sup>(3)</sup>	PH120 <sup>(4)</sup>	30 Mins	120 Mins

Uo/U 600/1000V

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### 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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