



Draka

FT **SIFER** **FIRETUF® 950s**

Firetuf FT SIFER 950s - Fire Resistant Sheathed Single Core Cable

Zero Halogen, Low Smoke (OHLS®) single core cable maintaining circuit integrity when exposed to fire. These cables are suitable for surface mounting where there is little risk of mechanical damage, in installations where circuit integrity is a requirement where there is risk of fire.



Construction

Conductors:	Stranded plain annealed copper wire (class 2) to BS EN 60228
Insulation:	Comprises mica-glass fire resistant tape covered by an extruded layer of cross-linked Zero Halogen, Low Smoke (OHLS®) compound
Sheath:	Zero Halogen, Low Smoke (OHLS®)

Physical Characteristics

Voltage rating (Uo/U):	600/1000V
Operating temp:	-25°C to +90°C (the cable should not be installed when either the ambient or cable temperature is below 0°C)
Min, bending radius:	8 x overall diameter of cable

Performance characteristics

Circuit integrity:	BS 6387 categories C, W and Z (when tested in steel conduit). Exceeds IEC 60331-21 3 hours at 750°C (test temperature is increased to 950°C, equivalent to BS 6387 category C)
Flame propagation:	BS EN 60332-1-2 BS EN 60332-3-24
Acid gas emission:	BS EN 50267-2-1
Smoke emission:	BS EN 61034-2

Various colours are available on request



A brand of the
Prysmian
Group



Draka

FT SIFER FIRETUF® 950s

Nominal area of conductor	Insulation thickness	Outer sheath thickness	Mean diameter (upper limit)	Approx. weight of cable	Maximum conductor resistance @ 20°C
mm ²	mm	mm	mm	kg/km	Ω/km
1.5	0.7	1.4	6.9	55	12.10
2.5	0.7	1.4	7.4	70	7.41
4	0.7	1.4	7.9	90	4.61
6	0.7	1.4	8.5	115	3.08
10	0.7	1.4	9.1	170	1.83
16	0.7	1.4	9.8	225	1.15
25	0.9	1.4	11.6	335	0.727
35	0.9	1.4	12.6	430	0.524
50	1.0	1.4	14.0	555	0.387
70	1.1	1.5	16.3	790	0.268
95	1.1	1.5	17.9	1045	0.193
120	1.2	1.5	19.5	1285	0.153
150	1.4	1.6	21.6	1580	0.124
185	1.6	1.6	23.8	1960	0.0991
240	1.7	1.7	26.5	2535	0.0754
300	1.8	1.8	29.5	3175	0.0601
400	2.0	1.9	35.2	4205	0.0470
500	2.2	2.0	37.2	5115	0.0366
630	2.4	2.2	42.3	6575	0.0283



DrakaFTSIFER950s30102013

Prysmian Group,
Chickenhall Lane,
Eastleigh,
SO50 6YU

Sales Telephone
01332 345431 www.drakauk.com

A brand of the
Prysmian
Group

Certificate of Product Approval

Certificate Number: 1134h

Issue: 03

DRAKA UK LIMITED

Chickenhall Lane
Bishopstoke
Eastleigh
Hants
SO50 6YU
United Kingdom



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:
FT SIFER 950s
See Certificate Appendix for details

Standard(s) (see Appendix for details)

BS 6387:2013 (Category CWZ)
EN 50267-2-1:1999
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 LPCB

David Hoare
Certification Scheme Manager

16 September 2014
Date of Issue

15 May 2013
Date of First issue



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LPCB is part of BRE Global Ltd, Garston, Watford, WD25 9XX
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Appendix to Certificate No: 1134h DRAKA UK LIMITED

Issue: 03

Product name				LPCB Ref. No.
FT SIFER 950s				1134h/01
Nominal CSA of conductor (mm ²)	Core Construction	BS 6387	EN 50267-2-1 (outer covering)	IEC 60331-21
1.0	One ⁽¹⁾	CWZ ^(2,3)	<0.5% HCl	Complies ⁽⁵⁾
1.5	One ⁽¹⁾	CWZ ^(2,3)	<0.5% HCl	Complies ⁽⁵⁾
2.5	One ⁽¹⁾	CWZ ^(2,3)	<0.5% HCl	Complies ⁽⁵⁾
4.0	One ⁽¹⁾	CWZ ^(2,3)	<0.5% HCl	Complies ⁽⁵⁾
6.0	One ⁽¹⁾	CWZ ^(2,3)	<0.5% HCl	Complies ⁽⁵⁾
10	One ⁽¹⁾	CWZ ^(2,3)	<0.5% HCl	Complies ⁽⁵⁾
16	One ⁽¹⁾	CWZ ^(2,3)	<0.5% HCl	Complies ⁽⁵⁾
25	One ⁽¹⁾	CWZ ^(2,3)	<0.5% HCl	Complies ⁽⁵⁾
35	One ⁽¹⁾	CWZ ^(2,3)	<0.5% HCl	Complies ⁽⁵⁾
50	One ⁽¹⁾	CWZ ^(2,4)	<0.5% HCl	Complies ⁽⁵⁾
70	One ⁽¹⁾	CWZ ^(2,4)	<0.5% HCl	Complies ⁽⁵⁾
95	One ⁽¹⁾	CWZ ^(2,4)	<0.5% HCl	Complies ⁽⁵⁾
120	One ⁽¹⁾	CWZ ^(2,4)	<0.5% HCl	Complies ⁽⁵⁾

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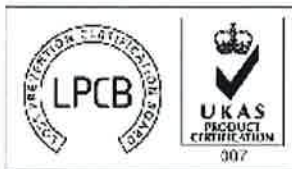


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Issue: 03

Product name				LPCB Ref. No.
FT SIFER 950s				1134h/01
Nominal size of conductor (mm ²)	Core Construction	BS 6387	EN 50267-2-1 (outer covering)	IEC 60331-21
150	One ⁽¹⁾	CWZ ^(2,4)	<0.5% HCI	Complies ⁽⁵⁾
185	One ⁽¹⁾	CWZ ^(2,4)	<0.5% HCI	Complies ⁽⁵⁾
240	One ⁽¹⁾	CWZ ^(2,4)	<0.5% HCI	Complies ⁽⁵⁾
300	One ⁽¹⁾	-	<0.5% HCI	Complies ⁽⁵⁾
400	One ⁽¹⁾	-	<0.5% HCI	Complies ⁽⁵⁾
500	One ⁽¹⁾	-	<0.5% HCI	Complies ⁽⁵⁾
630	One ⁽¹⁾	-	<0.5% HCI	Complies ⁽⁵⁾
800	One ⁽¹⁾	-	<0.5% HCI	Complies ⁽⁵⁾
1000	One ⁽¹⁾	-	<0.5% HCI	Complies ⁽⁵⁾

Uo/U 600/1000 V

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David Hoare
Signed for LPCB

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Certification Scheme Manager

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Appendix to Certificate No: 1134h DRAKA UK LIMITED

Issue: 03

Notes:

1. Stranded conductor 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 and Z categories was conducted using a 20mm stainless steel conduit as the other metallic element.
4. To satisfy the requirement of BS 6387, testing for C category was conducted using a 38mm stainless steel conduit as the other metallic element.
5. The FT SIFER 950s 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 voltage rating of 600V.

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Signed for LPCB

David Hoare
Certification Scheme Manager

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bre

消防處
牌照及審批總區
通風系統課

九龍尖沙嘴康莊道一號
消防局總部大樓五樓



FIRE SERVICES DEPARTMENT
LICENSING & CERTIFICATION COMMAND

Ventilation Division

5/F, Fire Services Headquarters Building,
1 Hong Chong Road, Tsim Sha Tsui East, Kowloon

本處檔號 Our Ref.: FP (LC) 317/21
來函檔號 Your Ref.:
圖文傳真 Fax: 2367 3206
電話 Tel. No.: 2733 1557

9 April 2015

Draka Cables (Hong Kong) Limited
6th Floor, MTL Warehouse
Phase II Berth One
Kwai Chung Container Terminal
New Territories
Hong Kong
(Attn.: Mr. Eddy YU)

Dear Sir,

“Draka UK” FT SIFER 950s Fire Resistant Cables

I refer to your letter dated 17.11.2014 enclosing a set of catalogues, certificates and supplementary information submitted on 26.2.2015 with respect to the captioned fire resistant cables.

We have no objection in principle to the use of “Draka UK” FT SIFER 950s fire resistant cables installed inside steel conduits for fire service installations in Hong Kong subject to compliance with the Codes of Practice for Minimum Fire Service Installations and Equipment and Inspection, Testing and Maintenance of Installations and Equipment, 2012 Edition, relevant FSD Circular Letters and according to the following details:

Supplier	: Draka Cables (Hong Kong) Limited
Manufacturer	: Draka UK Limited, UK
Model	: FT SIFER 950s single-core fire resistant cables
Construction	: Single-core cable with stranded plain annealed copper wire, mica/glass tape with OHLS insulation and OHLS sheath
Conductor Size	: 1.5 to 120 mm ²

/2...

- Test Certificate / Report** : Certificate No. 1134h (Issue: 03) of 16.9.2014 by Loss Prevention Certification Board
- Test Standard & Result** : For cable range 1.5 to 120 mm²(with overall diameter not exceeding 20 mm):
BS 6387:2013, Category C, W, Z
- Quality Assurance Scheme** : The manufacturer operates a quality management system to ISO 9001: 2008 certified by BASEC under Certificate No. CS1-084.
- Remark** : a) Valid certificates shall be maintained;
b) The cables shall be installed in steel conduits;
c) The cables shall bear appropriate markings of the certification body for identification purpose; and
d) This assessment is subject to review by March 2020.

Yours faithfully,



(LAM Sui-hang)
for Director of Fire Services

SHL/chl
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