Draka

Firetuf FT30 Saffire - Standard Fire Resistant Cable

FT30 Saffire is a Halogen Free, Low Smoke (OHLS®) Flame Retardant cable that provides superior fire resistance and circuit integrity. Designed and manufactured to BS7629-1, FT30 Saffire is made in the UK with optimised ease of installation characteristics and it meets the standard category of BS5839-1 and BS5266-1.



Construction

Manufacturing standard:	BS7629-1
Conductors:	Solid (Class 1) or stranded (Class 2) plain annealed copper.
Insulation:	Tough Durolate insulation
Electrostatic screen:	Aluminium/polyester laminated tape.
CPC:	Solid (Class1) or stranded (class 2) tinned annealed copper.
Sheath:	High performance, Thermoplastic Zero Halogen, low Smoke (OHLS®) compound.
Core colours:	Two core: Brown and Blue Three core: Brown, Black and Grey Four core: Brown, Black, Grey and Blue
Sheath colour:	Red or White

Physical Characteristics

Voltage rating (Uo/U):	300/500V.
Operating temp:	-20°C to 70°C (The cable should not be flexed when either the ambient or cable temperature is below 0°C).
Min, bending radius:	6 x overall diameter of cable.
Current rating:	Refer to tables 4D2A & 4D2B in BS7671

Performance characteristics

Circuit integrity:	BS 5839-1:2013 Standard. BS EN 50200 PH30, PH60, PH120 and Annexe E. BS 6387 C, W and Z.
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

Other colours are available on request

LOSS PREVENTION CERTIFICATION BOARD LPCB

BRITISH APPROVALS SERVICE FOR CABLES BASEC

Draka

FT30 SAFFIRE®

Nominal area of conductor mm²	Conductor class	Nominal area of CPC mm²	Maximum conductor resistance at 20°C Ω/km	Approx. overall diameter mm	Approx. cable weight kg/km	Approx. capacitance values*	
						Core-core nF/km	Core-screen nF/km
Two core FTSF2EH							
1.5	1	1.5	12.1	8.1	95	95	150
2.5	1	2.5	7.4	9.5	140	100	165
4	2	4	4.6	11.6	195	125	205
Three core FTSF3EH							
1.5	1	1.5	12.1	8.4	120	95	150
2.5	1	2.5	7.4	10.4	180	100	165
4	2	4	4.6	12.3	250	125	205
Four core FTSF4EH							
1.5	1	1.5	12.1	10.0	145	95	150
2.5	1	2.5	7.4	11.9	225	100	165
4	2	4	4.6	13.5	310	125	205



DrakaFT30SAFFIRE/03/18

Prysmian Group,
Chickenhall lane,
Eastleigh,
SO50 6YU

Sales Telephone
01332 345431

www.drakauk.com

A brand of the Prysmian Group

Certificate No:
189/001/068

Issue No: 6

Certificate of Product Approval

Licensee:
Draka UK Ltd

Chickenhall Lane, Eastleigh, SO50 6YU, Hampshire, United Kingdom

Factory:
Chickenhall Lane, Eastleigh, SO50 6YU, Hampshire, United Kingdom

Standard:
BS 7629-1:2015

Description:
Fire resistant screened cables

Details:
STANDARD 60. Additionally tested to BS 6387:2013 Categories C, W & Z.

Materials:
Insulation EI 5, Sheath LTS 3

Brand Name:
FT30 SAFFIRE

Origin Mark:
DRAKA UK (B)

Permissible Approval Marks:

BASEC name | BASEC roundel

Signed for and on behalf of BASEC Group Limited

Date: 06/08/2026

Date of original issue: 28/02/2013
Check BASEC website to verify validity.

BASEC Group Limited, Presley House, Presley Way, Milton Keynes, MK8 0ES, UK
Registered in England No. 13950143, Tel: +44 (0)1908 267300
Email: mail@basec.org.uk Web: www.basec.org.uk

UKAS PRODUCT CERTIFICATION 0004

Expiry date:
11/08/2029

BASEC
a kiwa company

Certificate No:
189/001/068

Issue No: 6

Type(s) and Range(s) of Approval

Table / Clause	Code Designation	Conductor Class	Range of Cores	Min Nominal Size -sqmm	Max Nominal Size - sqmm
2	N/A	Class 1	2	1.5	2.5
2	N/A	Class 2	2	1.5	4
2	N/A	Class 1	3	1.5	2.5
2	N/A	Class 2	3	1.5	4
2	N/A	Class 1	4	1.5	2.5
2	N/A	Class 2	4	1.5	4

Signed for and on behalf of BASEC Group Limited

Date: 06/08/2026

Date of original issue: 28/02/2013
Check BASEC website to verify validity.

BASEC Group Limited, Presley House, Presley Way, Milton Keynes, MK8 0ES, UK
Registered in England No. 13950143, Tel: +44 (0)1908 267300
Email: mail@basec.org.uk Web: www.basec.org.uk

UKAS PRODUCT CERTIFICATION 0004

Expiry date:
11/08/2029

LPCB®

www.redbooklive.com

Certificate of Product Approval

Certificate Number: 1134j Issue: 05

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:
FT30 SAFFIRE

Standard(s) (see Appendix for details)

BS 7629-1:2015 (STANDARD 60)
EN 50200:2015 (Class PH120)
EN 50200:2015 Annex E (30 mins)
BS 5839-1:2013 (Clause 26.2e Enhanced)
BS 6387:2013 (CWZ)

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	19 June 2018 Date of Issue	15 July 2013 Date of First issue

This certificate and appendix remain the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit www.redbooklive.com/terms).

To check the validity of this certificate and appendix please visit www.redbooklive.com/check, scan the QR tag or contact us.

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LPCB®

Appendix to Certificate No: 1134j

Issue: 05

DRAKA UK LIMITED

Product name						LPCB Ref. No.
FT30 SAFFIRE						1134j/01
Nominal csa of conductor (mm^2)	Core Construction (excluding drain wire and earth)	BS 7629-1	BS 6387	EN 50200	EN 50200 (Annex E)	BS 5839-1 Clause 26.2
1.5	2, 3 & 4(1)	Standard 60(3)	C,W,Z	PH120	30min(4)	Standard(5)
2.5	2, 3 & 4(1)	Standard 60(3)	C,W,Z	PH120	30min(4)	Standard(5)
4.0	2, 3 & 4(2)	Standard 60(3)	C,W,Z	PH120	30min(4)	Standard(5)

Uo/U 300/500V

Notes:

1. Solid conductor only.
2. Stranded conductor only.
3. In meeting the requirements of BS 7629-1:2015, the FT30 SAFFIRE cables listed met the requirements for smoke density of EN 61034-2:2005+A1:2013, and achieved less than 0.5% HCl for the insulation, binder tape, and outer covering when tested in accordance with EN 60754-1:2014 and in addition also met the fire resistance requirements of BS 6387:2013 Categories CWZ.
4. The duration of 30min when tested in accordance with EN 50200:2015 Annex E is achieved by 15min for the fire and mechanical shock phase and a further 15min for the fire, mechanical shock and water phase.
5. The FT30 SAFFIRE cables listed conform to BS 7629-1:2015, met Class PH120 when tested in accordance with EN 50200:2015 and met the 30min duration when tested in accordance with EN 50200:2015 Annex E and hence met the requirements for a standard fire resistant cable as described in Clause 26.2 of BS 5839-1:2013.

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	19 June 2018 Date of Issue	15 July 2013 Date of First issue

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Prysmian Group

Test No 22658

RFS No 5907

BISHOPSTOKE FIRE TEST LABORATORY

REPORT OF MULTIPLE CABLE PROPAGATION TEST

ORDER No. 1081715

TEST STANDARD BS EN 60332-3-24:2009

CATEGORY C

CABLE DESCRIPTION 2 x 1.5 mm2 FT30 Saffire

SAMPLE DETAILS

Cable diameter	8	mm
Weight of non metallic material	43.42	g/m
Volume of non metallic material	0.030	l/m

SAMPLE MOUNTING DETAILS

Total number of lengths	50			
Ladder width	500	mm		
No. on front	50	spaced by	0	mm
No on rear	n/a	spaced by	n/a	mm

TEST CONDITIONS

Flame application time	20	mins
Ambient temperature	19	deg C

TEST OBSERVATIONS 16 minutes afterburn. No fall of flaming material throughout the test.

Flaming droplets < 10s ☐

Flaming droplets > 10s ☐

Measured height of charred portion 1.37 m for front assembly

n/a m for rear assembly

SPECIFIED MAXIMUM VALUE 2.5 m **RESULT** Pass

Tested by N Jarvis

Witnessed by

Signed

Signed

Test date 22/06/2015

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

1 June 2015

Draka Cables (Hong Kong) Limited
Units 1511-12, 15/F., LU Plaza
2 Wing Yip Street
Kwun Tong
Kowloon
Hong Kong
(Attn.: Mr. Eddy YU)

Dear Sir,

"Draka UK" FT30 SAFFIRE Fire Resistant Cables

I refer to your letter dated 17.11.2014 enclosing a set of catalogues, certificates and test reports and supplementary information submitted on 26.2.2015 and 10.4.2015 with respect to the captioned fire resistant cables.

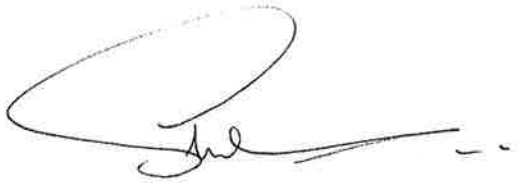
We have no objection in principle to the use of "Draka UK" FT30 SAFFIRE fire resistant cables for fire service installations in Hong Kong subject to compliance with the Codes of Practice for Minimum Fire Service Installations and Equipment and Inspection, Testing and Maintenance of Installations and Equipment, 2012 Edition, relevant FSD Circular Letters and according to the following details:

Supplier	: Draka Cables (Hong Kong) Limited
Manufacturer	: Draka UK Limited
Model	: FT30 SAFFIRE multi-core fire resistant cables
Construction	: Multi-core cable with solid / stranded plain annealed copper conductor, aluminium/polyester laminated tape, solid/stranded tinned annealed copper with OHLS sheath
Conductor Size	: 1.5 to 2.5 mm^2 inclusive 2, 3 & 4 cores

/2...

Test Certificate	: a)	Certificate No. 1134j (Issue: 02) of 4.11.2014 by Loss Prevention Certification Board
Test Standard & Result	: For cable range 1.5 to 2.5 mm^2:	
	a)	BS 7629-1: 2008
	b)	EN 50200:2006 (PH30, PH60 and Annex E)
Quality Assurance Scheme	: The manufacturer operates a quality management system to ISO 9001: 2008 certified by BASEC under Certificate No. CS1-084 of 11.8.2014.	
Remark	: a)	Valid certificates shall be maintained;
	b)	The cables shall bear appropriate markings of the certification body for identification purpose; and
	c)	This assessment is subject to review by May 2020.

Yours faithfully,



(LAM Sui-hang)
for Director of Fire Services

SHL/chl
FileCode: draka ft30 saffire 20150601.doc