



# Draka

## FT30 SAFFIRE®

### 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

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

#### Physical Characteristics

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

#### Performance characteristics

<b>Circuit integrity:</b>	BS 5839-1:2013 Standard. BS EN 50200 PH30, PH60, PH120 and Annexe E. BS 6387 C, W and Z.
<b>Flame Propagation:</b>	BS EN 60332-1-2 BS EN 60332-3-24
<b>Acid gas emission:</b>	BS EN 50267-2-1
<b>Smoke emission:</b>	BS EN 61034-2

Other colours are available on request



A brand of the

# Prysmian Group



# Draka

# FT30 SAFFIRE®

Nominal area of conductor mm <sup>2</sup>	Conductor class	Nominal area of CPC mm <sup>2</sup>	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



## 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](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Garston, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB® is a registered trademark of the Building Research Establishment Ltd.



## Appendix to Certificate No: 1134j DRAKA UK LIMITED

Issue: 05

Product name						LPCB Ref. No.
FT30 SAFFIRE						1134j/01
Nominal csa of conductor (mm <sup>2</sup> )	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 <sup>(1)</sup>	Standard 60 <sup>(3)</sup>	C,W,Z	PH120	30min <sup>(4)</sup>	Standard <sup>(5)</sup>
2.5	2, 3 & 4 <sup>(1)</sup>	Standard 60 <sup>(3)</sup>	C,W,Z	PH120	30min <sup>(4)</sup>	Standard <sup>(5)</sup>
4.0	2, 3 & 4 <sup>(2)</sup>	Standard 60 <sup>(3)</sup>	C,W,Z	PH120	30min <sup>(4)</sup>	Standard <sup>(5)</sup>

### 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



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](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Garston, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a registered trademark of the Building Research Establishment Ltd.

