Draka

Ft30 FIRETUF®

Firetuf FT30 - Standard Fire Resistant Cable

Draka Firetuf FT30 is a pliable 'standard' fire resisting cable that retains circuit integrity during a fire.
Designed and manufactured in the UK to BS7629-1, FT30 has zero halogen, low smoke and flame retardant properties and meets the requirements for 'standard' fire resisting cables as described in fire alarm and emergency lighting applications BS5839-1 and BS5266-1. LU approved cable (LU Approval ref 421).



Construction

Manufacturing Standard:	BS 7629-1
Conductors:	Solid or stranded plain annealed copper wire (class 1 or class 2) to BS EN 60228
Conductor (earth):	Solid or stranded tinned annealed copper wire (class 1 or class 2) to BS EN 60228
Insulation:	Silicone rubber
Electrostatic screen:	Aluminium/polyester laminated tape
Sheath:	Thermoplastic Zero Halogen, Low Smoke (OHLS®)
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 installed when either the ambient or cable temperature is below 0°C)
Min, bending radius:	6 x overall diameter of cables
Current rating:	Refer to tables 4D2A & 4D2B in BS7671

Performance characteristics

Circuit integrity:	BS 5266-1:2011 Clause 8.2.2(a) Standard BS 5839-1:2013 Clause 26.2(d) Standard BS 6387 C, W & Z BS EN 50200 PH30, PH60, PH120 and Annex E
Flame propagation:	BS EN 60332-1-2 BS EN 60332-3-24 BS EN 60332-3-25
Smoke emission:	BS EN 61034-2.
Acid gas emission:	BS EN 50267-2-1

Other core and sheath colours available on request

LPCB LOSS PREVENTION CERTIFICATION BOARD

BASEC BRITISH APPROVALS SERVICE FOR CABLES

Draka

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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 FTES2EH							
1.5	1	1.5	12.1	7.7	110	95	150
2.5	1	2.5	7.4	8.9	155	100	165
4	2	4	4.6	10.7	220	125	205
Three core FTES3EH							
1.5	1	1.5	12.1	8.1	130	95	150
2.5	1	2.5	7.4	9.7	190	100	165
4	2	4	4.6	11.6	270	125	205
Four core FTES4EH							
1.5	1	1.5	12.1	9.1	155	95	150
2.5	1	2.5	7.4	10.9	230	100	165
4	2	4	4.6	13.0	330	125	205



*These values are approximate as they are not required by the manufacturing standard and should be verified by measurement

DrakaFT3019112013

Prysmian Group,
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Eastleigh,
SO50 6YU

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A brand of the Prysmian Group

Certificate No:
189/001/066

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

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:
189/001/066

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	4	4
2	N/A	Class 1	3	1.5	2.5
2	N/A	Class 2	3	4	4
2	N/A	Class 1	4	1.5	2.5
2	N/A	Class 2	4	4	4

Signed for and on behalf of BASEC Group Limited

Date: 06/08/2026

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BASEC Group Limited, Presley House, Presley Way, Milton Keynes, MK8 0ES, UK
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UKAS PRODUCT CERTIFICATION 0004

Expiry date:
11/08/2029

LPCB®

www.redbooklive.com

Certificate of Product Approval

Certificate Number: 1134a Issue: 04

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
See Certificate Appendix for details

Standard(s) (see Appendix for details)

BS 7629-1:2015 (STANDARD 60)
BS 6387:2013 (C,W,Z)
EN 50200:2015 (Class PH120)
EN 50200:2015 Annex E (30 mins)
BS 5839-1:2013 (Clause 26.2d Standard)

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	Damien Ward Certification Scheme Manager	12 August 2016 Date of Issue	19 February 2013 Date of First issue

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Appendix to Certificate No: 1134a

Issue: 04

DRAKA UK LIMITED

Product name						LPCB Ref. No.
FT30						1134a/01
Nominal csa of conductor (mm^2)	Core Construction (excluding drain wire & earth)	BS 7629-1	BS 6387	EN 50200	EN 50200 (Annex E)	EN 5839-1 (clause 26.2)
1.5	2, 3 & 4[1,3]	STANDARD 60[4]	C,W,Z	PH120	30min[5]	Standard[6]
2.5	2, 3 & 4[1,3]	STANDARD 60[4]	C,W,Z	PH120	30min[5]	Standard[6]
4.0	2, 3 & 4[2,3]	STANDARD 60[4]	C,W,Z	PH120	30min[5]	Standard[6]

Uo/U 300/500V

Notes:

1. Solid conductor only.
2. Stranded conductor only.
3. All cables have the blue core designated as a Neutral conductor; only phase to earth voltage was applied to the 2 core cables.
4. In meeting the requirements of BS 7629-1:2015, the FT30 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.
5. 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 an additional 15min for the fire, mechanical shock and water phase.
6. The FT30 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.

Damien Ward

Signed for LPCB	Damien Ward Certification Scheme Manager	12 August 2016 Date of Issue	19 February 2013 Date of First Issue

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