



Draka

FT **SIFER** **FIRETUF**® **950i**

Firetuf FT SIFER 950i - Fire Resistant Single Core Cable

Zero Halogen, Low Smoke (OHLS®) single core cable maintaining circuit integrity when exposed to fire. These cables are designed for drawing into conduit where a fire situation may pose a major hazard and the maintenance of circuit integrity is a requirement.



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

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
Current rating:	Refer to tables 4E1A & 4E1B in BS7671

Performance characteristics

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

A range of insulation colours are available including green/yellow



A brand of the

Prysmian
Group



Draka

FT SIFER FIRETUF® 950i

Single core SIFERi

Nominal area of conductor	Insulation thickness	Approx. overall diameter	Approx. weight of cable	Maximum conductor resistance @ 20°C
mm ²	mm	mm	kg/km	Ω/km
1.5	0.7	3.9	25	12.10
2.5	0.8	4.6	40	7.41
4	0.8	5.1	55	4.61
6	0.8	5.6	75	3.08
10	1.0	7.1	125	1.83
16	1.0	8.1	180	1.15
25	1.2	9.8	280	0.727
35	1.2	10.9	370	0.524
50	1.4	13.4	495	0.387
70	1.4	15.2	700	0.268
95	1.6	17.6	960	0.193
120	1.6	19.3	1190	0.153
150	1.8	21.3	1465	0.124
185	2.0	23.7	1830	0.0991
240	2.2	26.8	2390	0.0754
300	2.4	29.7	3015	0.0601
400	2.6	33.3	3995	0.0470
500	2.8	37.2	5100	0.0366
630	2.8	41.3	6435	0.0283



DrakaFTSIFER950i/02/2018

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A brand of the

Prysmian Group

Certificate of Product Approval

Certificate Number: 1134c

Issue: 02

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 950i
See Certificate Appendix for details

Standard(s) (see Appendix for details)

BS 6387:2013 (Category CWZ)
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

04 November 2014
Date of Issue

01 March 2013
Date of First issue



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Appendix to Certificate No: 1134c DRAKA UK LIMITED

Issue: 02

Product name		LPCB Ref. No.	
FT SIFER 950i		1134c/01	
Nominal csa of conductor (mm ²)	Core Construction	BS 6387	IEC 60331-21
16	One ⁽¹⁾	CWZ ⁽²⁻⁴⁾	Complies ⁽⁶⁾
25	One ⁽¹⁾	CWZ ⁽²⁻⁴⁾	Complies ⁽⁶⁾
35	One ⁽¹⁾	CWZ ⁽²⁻⁴⁾	Complies ⁽⁶⁾
50	One ⁽¹⁾	CWZ ⁽²⁻⁴⁾	Complies ⁽⁶⁾
70	One ⁽¹⁾	CWZ ⁽²⁻⁴⁾	Complies ⁽⁶⁾
95	One ⁽¹⁾	CWZ ⁽²⁻⁴⁾	Complies ⁽⁶⁾
120	One ⁽¹⁾	CWZ ^(2 & 5)	Complies ⁽⁶⁾
150	One ⁽¹⁾	CWZ ^(2 & 5)	Complies ⁽⁶⁾
185	One ⁽¹⁾	-	Complies ⁽⁶⁾
240	One ⁽¹⁾	-	Complies ⁽⁶⁾
300	One ⁽¹⁾	-	Complies ⁽⁶⁾
400	One ⁽¹⁾	-	Complies ⁽⁶⁾

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500	One ⁽¹⁾	-	Complies ⁽⁶⁾
630	One ⁽¹⁾	-	Complies ⁽⁶⁾

Uo/U 600/1000 V

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 & 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 W & Z categories was conducted using a 20mm stainless steel conduit as the other metallic element.
5. To satisfy the requirement of BS 6387, testing for C category was conducted using a 38mm stainless steel conduit as the other metallic element.
6. The FT SIFER 950i 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 a voltage rating of 600V.

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