



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 (U₀/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 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**

Single core SIFERS

Nominal area of conductor	Insulation thickness	Outer sheath thickness	Approx. overall diameter	Approx. weight of cable	Maximum conductor resistance @ 20°C
mm ²	mm	mm	mm	kg/km	Ω/km
1.5	0.7	1.4	6.8	55	12.10
2.5	0.7	1.4	7.3	70	7.41
4	0.7	1.4	7.7	90	4.61
6	0.7	1.4	8.4	115	3.08
10	0.7	1.4	9.2	170	1.83
16	0.7	1.4	10.2	225	1.15
25	0.9	1.4	11.9	335	0.727
35	0.9	1.4	13.1	430	0.524
50	1.0	1.4	14.3	555	0.387
70	1.1	1.5	16.7	790	0.268
95	1.1	1.5	18.3	1045	0.193
120	1.2	1.5	19.9	1285	0.153
150	1.4	1.6	22	1580	0.124
185	1.6	1.6	24.2	1960	0.0991
240	1.7	1.7	27	2535	0.0754
300	1.8	1.8	30	3175	0.0601
400	2.0	1.9	33.8	4205	0.0470
500	2.2	2.0	37.8	5115	0.0366
630	2.4	2.2	42.1	6575	0.0283
800	2.6	2.3	47.2	8485	0.0221
1000	2.8	2.4	52.2	10600	0.0176



DrakaFTSIFER950s2122016

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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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⁾	C ^(2,4)	<0.5% HCl	Complies ⁽⁵⁾
70	One ⁽¹⁾	C ^(2,4)	<0.5% HCl	Complies ⁽⁵⁾
95	One ⁽¹⁾	C ^(2,4)	<0.5% HCl	Complies ⁽⁵⁾
120	One ⁽¹⁾	C ^(2,4)	<0.5% HCl	Complies ⁽⁵⁾

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FT SIFER 950s				1134h/01
Nominal csa of conductor (mm ²)	Core Construction	BS 6387	EN 50267-2-1 (outer covering)	IEC 60331-21
150	One ⁽¹⁾	C ^(2,4)	<0.5% HCI	Complies ⁽⁵⁾
185	One ⁽¹⁾	C ^(2,4)	<0.5% HCI	Complies ⁽⁵⁾
240	One ⁽¹⁾	C ^(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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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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