Draka

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 (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

Performance characteristics

Circuit integrity:	BS 6387 categories C, W and Z (when tested in steel conduit). Exceeds IEC 60331-21 3 hours at 750°C (test temperature is increased to 950°C, equivalent to BS 6387 category C)
Flame propagation:	BS EN 60332-1-2 BS EN 60332-3-24
Acid gas emmision:	BS EN 50267-2-1
Smoke emission:	BS EN 61034-2

Various colours are available on request

LPCB Loss Prevention Certification Board

Draka

FT SIFER FIRETUF® 950s

Nominal area of conductor mm²	Insulation thickness mm	Outer sheath thickness mm	Mean diameter (upper limit) mm	Approx. weight of cable kg/km	Maximum conductor resistance @ 20°C Ω/km
1.5	0.7	1.4	6.9	55	12.10
2.5	0.7	1.4	7.4	70	7.41
4	0.7	1.4	7.9	90	4.61
6	0.7	1.4	8.5	115	3.08
10	0.7	1.4	9.1	170	1.83
16	0.7	1.4	9.8	225	1.15
25	0.9	1.4	11.6	335	0.727
35	0.9	1.4	12.6	430	0.524
50	1.0	1.4	14.0	555	0.387
70	1.1	1.5	16.3	790	0.268
95	1.1	1.5	17.9	1045	0.193
120	1.2	1.5	19.5	1285	0.153
150	1.4	1.6	21.6	1580	0.124
185	1.6	1.6	23.8	1960	0.0991
240	1.7	1.7	26.5	2535	0.0754
300	1.8	1.8	29.5	3175	0.0601
400	2.0	1.9	35.2	4205	0.0470
500	2.2	2.0	37.2	5115	0.0366
630	2.4	2.2	42.3	6575	0.0283



DrakaFTSIFER950s30102013

Prysmian Group,
Chickenhall Lane,
Eastleigh,
SO50 6YU

Sales Telephone
01332 345431 www.drakauk.com

A brand of the Prysmian Group

LPCB®

www.redbooklive.com

Certificate of Product Approval

Certificate Number: 1134h 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:
FT SIFER 950s

Standard(s) (see Appendix for details)

BS 6387:2013 (Category CWZ)
EN 60754-1:2014
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 BRE Global Ltd.	Obada Piracha Senior Certification Manager	12 November 2024 Date of Issue	15 May 2013 Date of First issue

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Appendix to Certificate No: 1134h

Issue: 05

DRAKA UK LIMITED

Product name	LPCB Ref. No.
FT SIFER 950s	1134h/01

Nominal csa of conductor (mm^2) See note 1	Core Construction	BS 6387 See note 2 & 3	EN 60754-1 (outer covering)	IEC 60331-21 See note 4
1.0	One	C W Z	<0.5% HCl	Complies
1.5	One	C W Z	<0.5% HCl	Complies
2.5	One	C W Z	<0.5% HCl	Complies
4.0	One	C W Z	<0.5% HCl	Complies
6.0	One	C W Z	<0.5% HCl	Complies
10	One	C W Z	<0.5% HCl	Complies
16	One	C W Z	<0.5% HCl	Complies
25	One	C W Z	<0.5% HCl	Complies
35	One	C W Z	<0.5% HCl	Complies
50	One	C	<0.5% HCl	Complies
70	One	C	<0.5% HCl	Complies
95	One	C	<0.5% HCl	Complies

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120	One	C	<0.5% HCl	Complies
150	One	C	<0.5% HCl	Complies
185	One	C	<0.5% HCl	Complies
240	One	C	<0.5% HCl	Complies
300	One	-	<0.5% HCl	Complies
400	One	-	<0.5% HCl	Complies
500	One	-	<0.5% HCl	Complies
630	One	-	<0.5% HCl	Complies

Uo/U 600/1000 V

Notes:

1. Stranded conductors only.
2. Where a single cable fitted in a conduit, only phase to earth voltage was applied.
3. When testing to BS 6387:2013, for Categories CWZ, testing was conducted using a 20mm or 38mm stainless steel conduit. Either one or three conductors are tested, and this is dependent on cable diameter. The conduit in all cases is connected to the neutral of the transformer.
4. 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 (90 + 15) minutes cool down, at a voltage rating of 600V.

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