

FT SIFER 950i BS 8592

Fire Resistant Single Core Cable. 450/750 V



Draka Firetuf® FT SIFER 950i BS 8592 is a fire resistant low voltage single core cable for use in steel conduits

KEY APPLICATIONS

FT SIFER 950i BS 8592 is ideally suited to drawing into conduit installations that provide adequate mechanical protection and it forms the key part of a wiring system for evacuation and fire fighting applications.

Green/Yellow is also suitable as a separate earth.

FEATURES AND BENEFITS

- Ideal for rewiring existing steel conduit and upgrade to a fire resistant system or where the added mechanical protection or flexibility of a steel conduit or suitable trunking system is required
- Tough robust insulation prevents damage during installation
- Low smoke and corrosive gas emissions Zero Halogen, Low Smoke (OHLS®)

STANDARDS



BS 8592

IEC 60331-3

BS EN 50200 - PH120

BS 8434-2

BS EN 60332-1-2

BS EN 61034-2

BS EN 60754-1

BS EN 60228

Construction Standard

Fire Resistant Test

Fire Resistant Test - Flame & Shock - 120 Minutes

Fire Resistant Test - Flame, Shock & Water - 120 Minutes

Flame Propagation - Single Cable

Smoke emission

Corrosive and acid gas

Conductors

CONSTRUCTION

Conductor material

Copper

Conductor surface

Bare

Core insulation material

Mica + polymer

APPLICATIONS PROPERTIES

Nominal voltage U ₀ [V]	450
Nominal voltage U [V]	750
Flame retardant	In accordance with BS EN 60332-1-2
Halogen free	Yes
Low smoke	Yes
Max. conductor temperature [°C]	90
Min. Operation temperature [°C]	-25
Min. Installation temperature [°C]	0
Max. Installation temperature [°C]	80
Bending radius (rule)	6D

CONTACT INFORMATION

A range of insulation colours are available, including green/yellow

CURRENT RATINGS

Refer to table 4E1 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature

TECHNICAL DATA

Nominal cross section conductor [mm ²]	Conductor category	Nominal thickness insulation [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
1.5	Class 2 = stranded	0.7	3.6	26	12.1
2.5	Class 2 = stranded	0.8	4.2	39	7.41
4	Class 2 = stranded	0.8	4.7	53	4.61
6	Class 2 = stranded	0.8	5.3	76	3.08
10	Class 2 = stranded	1	6.6	125	1.83
16	Class 2 = stranded	1	7.2	180	1.15
25	Class 2 = stranded	1.2	9	280	0.727
35	Class 2 = stranded	1.2	10.5	380	0.524
50	Class 2 = stranded	1.4	12.2	520	0.387
70	Class 2 = stranded	1.4	13.4	710	0.268



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 8592:2016

Description:

Single core fire resistant cables

Details:

These cables conform to BS 8592, and by reference, conform to the appropriate requirements of BS EN 60228, BS EN 60332-1-2, BS EN61034-2, BS EN 60754-1 and IEC 60331-3. Additionally tested to BS 8434-2:2003+A2:2009 and BS EN 50200:2015 PH120 (tests conducted in steel conduit). These cables have a rated voltage of 450/750V

Materials:

Insulation EI 5, Sheath None

Brand Name:

FT Sifer 950i

Origin Mark:

DRAKA UK (B)

Permissible Approval Marks:

BASEC

BASEC name



BASEC roundel

Signed for and on behalf of
BASEC Group Ltd

Kieran O'Brien Date: 06/07/2023

Date of original issue: 04/11/2020

Check BASEC website to verify validity.

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BASEC Group Ltd, 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

BSF079 Issue 5 (20-03-2023)



Expiry date:
11/08/2026



Certificate No:
189/001/080
Issue No: 2

Type(s) and Range(s) of Approval

Table / Clause	Code Designation	Conductor Class	Range of Cores	Min Nominal Size -sqmm	Max Nominal Size - sqmm
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2	N/A	Class 2	1	1.5	70
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