FT L-SIFER

Fire Resistant Single Core Cable. 600/1000 V

Draka Firetuf® FT L-Sifer is a fire resistant, low voltage Zero Halogen,Low Smoke (OHLS®) single core cable designed to maintain circuit integrity during a fire and is approved by LU for above and below ground use

KEY APPLICATIONS

L-Sifer 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.

Also suitable as a separate CPC.

FEATURES AND BENEFITS

- Designed and developed specifically to meet the requirements of the London Underground client standard, LU S1085, with particular regard to flaming debris tests
- Manufactured under ISO 9001 Quality management systems
- Designed to meet the requirements of London Underground LUL - S1085 - Fire Safety Performance of Materials - Stations and Tunnel Infrastructure
- Zero Halogen, Low Smoke (OHLS®)

STANDARDS

BS 6387 - Category CWZ	Fire Resistant Tests
IEC 60331-21	Fire Resistant Test
BS EN 60332-1-2	Flame Propagation - Single Cable
BS EN 60332-3-24	Flame Propagation - Multiple (bunched) Cables - Category C
BS EN 60332-3-25	Flame Propagation - Multiple (bunched) Cables - Category D
BS EN 61034-2	Smoke emission
BS EN 60754-1	Corrosive and acid gas

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Mica + polymer

APPLICATIONS PROPERTIES

Nominal voltage U0 [V]	600
Nominal voltage U [V]	1,000
Flame retardant	In accordance with BS EN 60332-3-24
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

COLOURS

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

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TECHNICAL DATA

Nominal cross section conductor [mm²]	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	30	12.1
2.5	Class 2 = stranded	0.8	4.3	45	7.41
4	Class 2 = stranded	0.8	4.8	55	4.61
6	Class 2 = stranded	0.8	5.4	80	3.08
10	Class 2 = stranded	1	6.8	125	1.83
16	Class 2 = stranded	1	7.6	180	1.15
25	Class 2 = stranded	1.2	9.3	280	0.727
35	Class 2 = stranded	1.2	10.4	370	0.524
50	Class 2 = stranded	1.4	12.1	510	0.387
70	Class 2 = stranded	1.4	13.7	700	0.268
95	Class 2 = stranded	1.6	15.7	960	0.193
120	Class 2 = stranded	1.6	17.1	1,200	0.153
150	Class 2 = stranded	1.8	19	1,500	0.124
185	Class 2 = stranded	2	21	1,850	0.0991
240	Class 2 = stranded	2.2	24	2,400	0.0754
300	Class 2 = stranded	2.4	27	3,000	0.0601