



# Draka



## Firetuf FTL-SIFER - London Underground Fire Resistant Single Core Cable

Firetuf FT L-Sifer is a fire resistant, zero halogen and low smoke (OHLS<sup>®</sup>) single core cable designed to maintain circuit integrity during a fire and is approved by LUL for above and below ground use. L-Sifer is ideally suited to drawing into conduit or trunking 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. LU Cert 467



### Construction

<b>Conductors:</b>	Stranded plain annealed copper wire (class 2) to BS EN 60228
<b>Insulation:</b>	Comprises mica-glass fire resistant tape covered by an extruded layer of cross-linked Zero Halogen, Low Smoke (OHLS <sup>®</sup> ) compound

### Physical Characteristics

<b>Voltage rating (U<sub>0</sub>/U):</b>	600/1000V
<b>Operating temp:</b>	-25°C to +90°C (the cable should not be installed when either the ambient or cable temperature is below 0°C)
<b>Min, bending radius:</b>	8 x overall diameter of cable
<b>Current rating:</b>	Refer to tables 4E1A & 4E1B in BS7671

### Performance characteristics

<b>General performance:</b>	Complies with LU specification S1085
<b>Circuit integrity:</b>	BS 6387 categories C, W and Z (when tested in steel conduit). IEC 60331-21 (test temperature is increased to 950°C)
<b>Flame propagation:</b>	S1085 BS EN 60332-1-2 BS EN 60332-3 (Category in accordance with S1085)
<b>Smoke emission:</b>	S1085 BS EN 61034-2
<b>Acid gas emission:</b>	S1085 BS EN 50267-2-1

\*In accordance with S1085

A range of insulation colours are available including green/yellow



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### Single core L-SIFER

Nominal area of conductor	Insulation thickness	Approx. overall diameter	Approx. weight of cable	Maximum conductor resistance @ 20°C
mm <sup>2</sup>	mm	mm	kg/km	Ω/km
1.5	0.7	3.6	30	12.10
2.5	0.8	4.3	40	7.41
4	0.8	4.8	55	4.61
6	0.8	5.4	80	3.08
10	1.0	6.8	125	1.83
16	1.0	7.6	180	1.15
25	1.2	9.3	280	0.727
35	1.2	10.4	370	0.524
50	1.4	12.1	505	0.387
70	1.4	13.7	700	0.268
95	1.6	15.7	960	0.193
120	1.6	17.1	1185	0.153
150	1.8	19.0	1465	0.124
300	2.4	26.2	2975	0.0601



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