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

Firetuf FT L-Sifer is a fire resistant, zero halogen and low smoke (OHLS[®]) 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 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

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

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

General performance:	Complies with LU specification S1085
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:	S1085 BS EN 60332-1-2 BS EN 60332-3 (Category in accordance with S1085)
Smoke emission:	S1085 BS EN 61034-2
Acid gas emission:	S1085 BS EN 50267-2-1

*In accordance with S1085

A range of insulation colours are available including green/yellow

A brand of the

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Single core L-SIFER

Nominal area of conductor mm ²	Insulation thickness mm	Approx. overall diameter mm	Approx. weight of cable kg/km	Maximum conductor resistance @ 20°C 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

