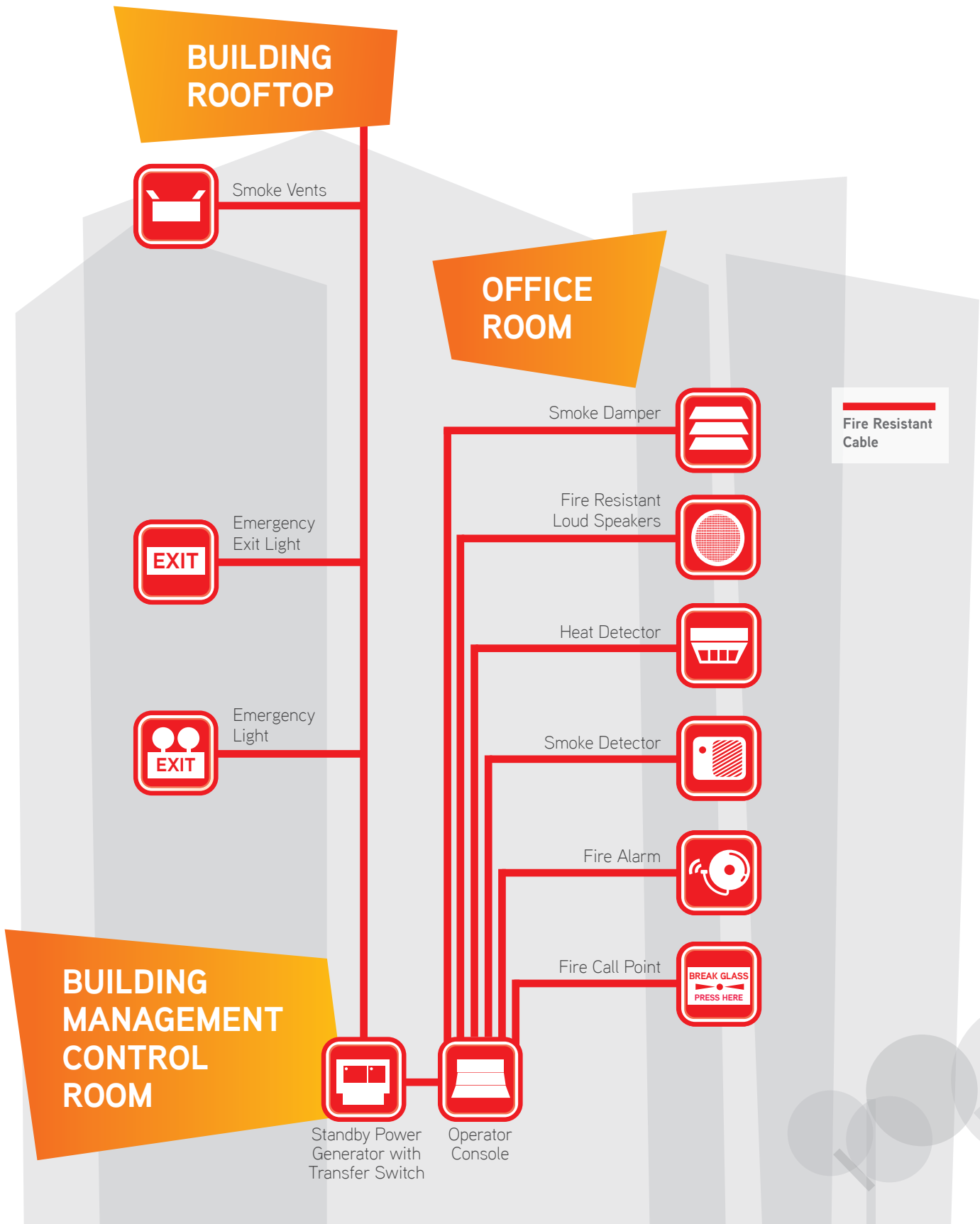


Fire Resistant Cable



JJ-LAPP CABLE



Cable selection depends on the local building standards / codes, and the specifications required by the active systems.

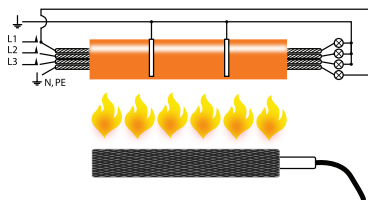
FIRE PERFORMANCE TEST



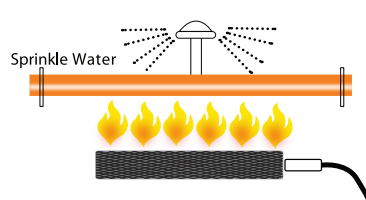
In order to serve you better, our Fire Resistant Cable has gone through the requirements under the TÜV SÜD PSB Fire Performance Test. The test undeniably reveal the quality of our Fire Resistant cables in accordance to international standards.

Circuit Integrity

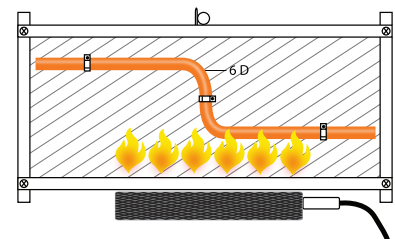
Resistance to fire alone	IEC 60331-21 BS 6387 Category C SS 299-1	3 hour at 750°C 3 hour at 950°C
Resistance to fire with water	BS 6387 Category W SS 299-1	15 minutes at 650°C plus 15 minutes with water spray
Resistance to fire with mechanical shock	BS 6387 Category Z SS 299-1	15 minutes at 950°C



Category C



Category W



Category Z

The material used in these fire resistant cables are also in accordance to:

Smoke Emission

Measurement of smoke density of cables burning under defined conditions	IEC / BS EN 61034-2	Minimum 60% of light transmitted for a duration of 40 minutes
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Gas Evolved During Combustion

Determination of the amount of halogen acid gases	IEC 60754-1 BS EN 50267-2-1	Halogen content of all non-metallic components < 0.5% or 5mg/g
Measuring PH & conductivity	IEC 60754-2 BS EN 50267-2-2	PH value < 4.3 Conductivity $\geq 10\mu\text{s/m}$

Flame & Fire Propagation

Test to single insulated cable	IEC BS EN 60332-1-2	60s / 120s
Test to bunch cable	IEC BS EN 60332-3-22	71 flammable material / meter for 40 minutes

FR-6387 SC TWISTED

FIRE RESISTANT CABLES

JJ-LAPP CABLE



Approvals

BS 6387, SS 299-1



Conductor stranding

acc. to IEC 60228 Cl. 2



Minimum bending radius

10 x cable diameter



Nominal voltage

U₀/U: 600/1000 V



Test voltage

3500 V



Temperature range

-15°C to +85°C

- Fire test certified and approved to BS 6387 Cat. CWZ, and SS 299 PLS Class 1A, reference to FR-6387 SC 1x1.5mm², PN: 3806502
- 2 single-core wire twisted, 0.6/1kV

PRODUCT FEATURES

- Flame retardant acc. to IEC 60332-1-2 and to IEC 60332-3-22
- Halogen free acc. to IEC 60754-1
- Acid and corrosive gases acc. to IEC 60754-2
- Smoke density test acc. to IEC 61034

APPLICATION RANGE

- Specially designed to be use for wiring applications in critical life safety system in public and industrial buildings such as airports, hotels, hospitals, subways, train stations, etc.
- In building management systems, emergency lightings, standby power supplies, lifts and elevators

APPROVALS (NORM REFERENCES)



- Fire test certified and approved to BS 6387 Cat. CWZ, and SS 299 PLS Class 1A, reference to FR-6387 SC 1x1.5mm², PN: 3806502

DESIGN

- Stranded plain annealed copper wire
- Mica based fire resistance tape
- LSHF insulation - flame retardant
- 2 single-core wire twisted together
- Colour: Black/Red

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
3804079	2x (1x1.5) Twisted	8.2	28.8	64

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Photographs are not to scale and do not represent detailed images of the respective products.