



Applications: Wooden and Heritage Buildings

Modern buildings are designed and constructed to resist fire and provide designated escape routes. Historical buildings do not have these advantages so a relatively small fire will spread very quickly and within a few minutes can cause the entire structure to collapse. This makes fire fighting extremely difficult and risks the loss of a valuable, unique building. The detection of overheating in the early stages of a developing fire is essential.



Signaline Heat Sensing Cable provides effective fire detection both externally and within the building itself, particularly in confined spaces where the installation of traditional point heat type detectors is difficult.

Where to install Signaline Heat Sensing Cable

Signaline Heat Sensing Cable should be installed externally around the roof line in order to detect criminal attempts to burn the building from the outside.

In addition it is recommended that the heat sensing cable should be installed in roof spaces and other voids where it is impossible to install conventional heat and smoke detectors. The cable should be spaced in accordance with EN54 or UL regulations

A variety of fixing methods are available from the Signaline range to cover the various types of materials used in older buildings.

Which Signaline Heat Sensing Cable is suitable?

Due to the risk of ultra-violet (UV) rays from sunlight damaging the sensor cable, Signaline HD-R should be used for external locations. The nylon coated Signaline HD-R provides superb UV protection as well as rapid detection of developing fires. The VdS approved Signaline SKM-03 controller will provide volt free fire and fault relay contacts that can be interfaced with local alarms or connected to central monitoring stations. No settings or adjustments to the controller are required, it's simply plug and play.



It should be noted that Signaline HD-R is suitable only where ambient temperatures are not likely to exceed 40°C. In areas where high ambient temperatures are anticipated, Signaline FT-R cable should be used. Signaline FT cable is available with a choice of alarm temperatures of 68°C, 88°C, 105°C and 185°C.

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