



## Applications: Farm Buildings

Farm livestock barns and stables present unusual and challenging fire risks. Livestock barns are often large open spaces and often unmanned. Faulty electrical equipment including heaters and motors are common sources of ignition. The build up of flammable materials such as straw add to the risks. Without adequate heat sensing cable slow developing fires can go undetected. Furthermore strong cleaning agents, power hoses, and animal waste product eliminate the use of traditional heat and smoke detectors.



Signaline Heat Sensing Cables offer a water tight corrosion resistant means of detecting heat before it develops into a major fire.

### Where to install Signaline Heat Sensing Cable

The heat sensing cable should be installed in the roof space or ceiling as in a normal open warehouse. The spacing and zoning should follow EN54, UL, FM, or local regulations. In addition the heat sensing cable can be installed around or in the vicinity of high risk fixed equipment such as machinery. To avoid false alarms, care should be taken to avoid hot spots that occur in the normal operation of farm equipment.

Particular attention should be paid to farm buildings equipped with ventilation fans. The response of heat sensing cable can be delayed due to the cooling effect of the fan. However, the location and function of the fans may act as a chimney concentrating hot air through ventilation ducts. In this situation it would be beneficial to place heat sensing cable within the airflow.

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

### Which Signaline Heat Sensing Cable is suitable?

Due to the risk from ammonia and other chemicals found in livestock barns, plus the risk of ultra-violet (UV) rays from sunlight damaging the sensor cable, Signaline FT-R should be used for all locations. The nylon coated Signaline FT-R provides superb UV and chemical protection as well as rapid detection of developing fires. Signaline FT-R series cables are UL approved and can be easily interfaced with both conventional and addressable fire control panels.

Signaline FT-R cable is available with a choice of alarm temperatures of 68°C, 88°C, 105°C and 185°C.



**LGM PRODUCTS LTD  
UNIT 15 RIVERSIDE INDUSTRIAL PARK  
FARNHAM  
SURREY GU9 7UG  
UNITED KINGDOM**

**TEL +44 (0) 1252 725257  
FAX +44 (0) 1252 727627  
E-mail [sales@Lgmproducts.com](mailto:sales@Lgmproducts.com)  
[www.signaline.com](http://www.signaline.com)**