



Signaline Linear Heat Detection



Linear Heat Detection

Fire Alarm

Intrinsically Safe

Fixed Temperature

Heat Sensing Cable

EN 54

UL/FM

Signaline Linear Heat Detection

Linear heat detection provides early detection of fire conditions or overheating of equipment, plant or the surrounding area. Signaline linear heat detection cables are conventional heat detectors in a linear form. They sense heat anywhere along their length and are designed to be used in commercial and industrial applications.

Heat sensing cables can be used with or in place of conventional heat detectors or where conventional heat detection is expensive or difficult to install and maintain.

- Highly cost effective
- Easily installed
- Maintenance free
- Can be used in intrinsically safe areas and dusty or harsh environments down to -40 °C

Applications

- Cable Trays
- Plant Rooms
- Vehicles
- Multi Storey Car Parks
- Thatched Roofs
- Industrial Kitchens
- Warehouses
- Waste Recycling Facilities
- Process Plants
- Hazardous Areas
- Power Stations
 - Coal conveyors
 - Cable Tunnels
 - Access Tunnels
 - Plant Rooms
- Shipping and Marine
 - Engine Room
 - Cable Ducts
 - Ceiling Voids
 - Kitchens

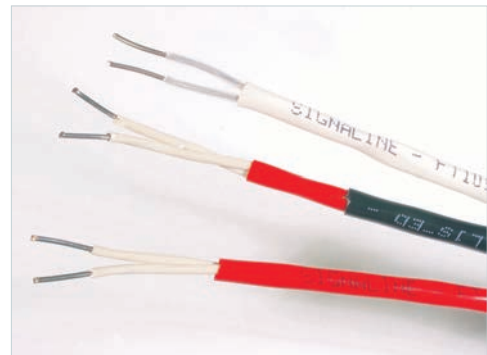


Signaline FT

Fixed Temperature Heat Sensing Cables

Available in three different alarm temperatures 68 °C, 88 °C or 105 °C which are UL Listed and FM Approved and two cover options for the 68 °C 105 °C cables. A high temperature cable of 185 °C is also available to provide a full range of fixed temperature heat sensing cables.

Signaline FT heat sensing cables can be used as a standalone system or connected to any conventional control panel and can cover up to 3 km in a single zone.



Cable Specification

Conductor Resistance	0.100 Ω/m at 20 °C
Max Voltage	42 V dc / 30 V ac
Dielectric Withstand (UL)	500 V dc
Tensile Strength	1700 N/mm ²
Minimum Bend Radius	75 mm
Weight	12 kg per 500 m

Certification

The Signaline FT range of linear heat detection cable is UL Listed and FM approved.



Part Ref.	Alarm Temp. (°C)	Max. Ambient Temp. (°C)	Outer Sheath Material	Colour	Overall Dia. (mm)	Approval
FT68	68	45	PVC	Red	3.5	FM/UL
FT68R	68	45	Chemical Resistant Nylon	Black	4.5	UL
FT88	88	70	PVC	White	3.5	FM/UL
FT105	105	85	PVC	White	3.5	FM/UL
FT105R	105	85	Chemical Resistant Nylon	Black	4.5	UL
FT185R	185	125	Chemical Resistant Nylon	Red	3.6	UL



Common Accessories

Universal Connector Box

The Signaline Universal Connector Box can be used as an end of line unit, junction box or an interposing line unit. It is supplied with appropriately sized cable glands, terminal block and 470 Ω and 680 Ω resistors. These resistors allow Signaline FT cable to be connected directly to the zone terminals of most conventional fire control panels.

The IP66 rated enclosure provides a quick and efficient method to interconnect, terminate and join lengths of any Signaline heat sensing cable.

It can also be used for connecting the incoming leader cable to the start of a length of heat sensing cable.



Note: Cannot be used with the 185 °C cable.

Cable Fixing Clips

A range of clips is available to suit all applications.



Edge Clip - Knock on edge clip designed for steel work of differing thickness



J Clip - Knock on clip for outer edge of conventional cable trays



A Clip - Nylon clip with cable tie for where heat transfer from the fixing point to the heat sensing cable must be minimised



T Clip - A plastic moulding with a slot into which the heat sensing cable is located



P Clip - Stainless steel clip with santoprene cushion insulator



K Clip - 6 mm dia. knock in spigot, simply drill and fix (HD cable only)

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Shaping Alarm Technology