



Key Features

UL 521 approved



Cable based sensing allows detection at the point of risk



Low installation, maintenance and repair costs



Reliable solution for hazardous areas



Low material cost



Overview

The High Temperature coated linear heat cable is manufactured from two different types of nylon, with the outer sheath being a chemical resistant material. Commonly used in high temperature areas, hazardous and safe areas where chemicals such as hydrocarbon fuel oils, diesel, kerosene etc. are present.

FyreLine linear fixed heat sensing cable is constructed using two twisted and tensioned, tri-metallic conductors. Each of the conductive cables are coated in a heat sensitive polymer which, when heated to its rated temperature, melts, causing the two cables to touch. The resulting short sends a signal to the fire alarm control panel, indicating that a fire (or excessive heat) has been detected. Once a fire has been detected the damaged length of cable is easily replaceable.

Tech Specs

Construction	Overall insulated, twisted pair of tri-metallic cores
Insulation	1kV tested protective outer coat
Approvals	CE Marked, UL Listed
Maximum Zone Length	3,000m (10,000ft)
Overall Diameter	3.60mm ± 0.12mm (0.142" ± 0.005")
Minimum bend radius	50mm (2")
Max Voltage Rating	30Vac, 42Vdc
Resistance	~100Ω/km (29Ω/kft) per leg

Tech Specs

Velocity of Propagation	~55%
Capacitance	88 – 150 pF/m (26 – 45 pF/ft)
Inductance	540 – 1050 nH/m (165 – 320 nH/ft)

Ordering Information

Part Number	Description
18-101	Digital LHD Cable, Nylon, 185°C Alarm Temp, 100m
18-102	Digital LHD Cable, Nylon, 185°C Alarm Temp, 200m
18-103	Digital LHD Cable, Nylon, 185°C Alarm Temp, 500m
18-104	Digital LHD Cable, Nylon, 185°C Alarm Temp, 1000m