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 standard coating used on Digital cables is made from PVC and is suitable for most environments. However, PVC should not be used when the cables are directly exposed to UV (sunlight) or hazardous chemicals (eg. hydrocarbons) for long periods, or for applications where they may be exposed to regular mechanical abrasion.

Where the standard PVC is not recommended other materials/sheaths are available to provide a suitable solution.

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")

Tech Specs

Max Voltage Rating	30Vac, 42Vdc
Resistance	~100Ω/km (29Ω/kft) per leg
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
18-011	Digital LHD Cable, Red PVC, 68°C Alarm Temp, UL, 100m
18-012	Digital LHD Cable, Red PVC, 68°C Alarm Temp, UL, 200m
18-013	Digital LHD Cable, Red PVC, 68°C Alarm Temp, UL, 500m
18-014	Digital LHD Cable, Red PVC, 68°C Alarm Temp, UL, 1000m
18-021	Digital LHD Cable, White PVC, 88°C Alarm Temp, UL, 100m
18-022	Digital LHD Cable, White PVC, 88°C Alarm Temp, UL, 200m
18-023	Digital LHD Cable, White PVC, 88°C Alarm Temp, UL, 500m
18-024	Digital LHD Cable, White PVC, 88°C Alarm Temp, UL, 1000m
18-031	Digital LHD Cable, White PVC, 105°C Alarm Temp, UL, 100m
18-032	Digital LHD Cable, White PVC, 105°C Alarm Temp, UL, 200m
18-033	Digital LHD Cable, White PVC, 105°C Alarm Temp, UL, 500m
18-034	Digital LHD Cable, White PVC, 105°C Alarm Temp, UL, 1000m