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

A Nylon coated cable is the common choice when hazardous hydrocarbons such as fuel oils, diesel, kerosene etc. are present. Nylon cables are coloured black and provide suitable UV protection when used in direct sunlight. Nylon is much tougher than PVC and therefore provides additional mechanical protection.

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	4.50mm ± 0.12mm (0.177" ± 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
18-041	Digital LHD Cable, Nylon, 68°C Alarm Temp, 100m
18-042	Digital LHD Cable, Nylon, 68°C Alarm Temp, 200m
18-043	Digital LHD Cable, Nylon, 68°C Alarm Temp, 500m
18-044	Digital LHD Cable, Nylon, 68°C Alarm Temp, 1000m
18-051	Digital LHD Cable, Nylon, 88°C Alarm Temp, 100m
18-052	Digital LHD Cable, Nylon, 88°C Alarm Temp, 200m
18-053	Digital LHD Cable, Nylon, 88°C Alarm Temp, 500m
18-054	Digital LHD Cable, Nylon, 88°C Alarm Temp, 1000m
18-061	Digital LHD Cable, Nylon, 105°C Alarm Temp, 100m
18-062	Digital LHD Cable, Nylon, 105°C Alarm Temp, 200m
18-063	Digital LHD Cable, Nylon, 105°C Alarm Temp, 500m
18-064	Digital LHD Cable, Nylon, 105°C Alarm Temp, 1000m