



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

Messenger wire is used to install linear heat detection cable in areas which may be difficult to access, have large spans to cover or where fixing the cable at the normal recommended spacing (up to 1.5m/5ft intervals) would be too difficult or time consuming.

FyreLine Digital is suitable for most environments. FyreLine Digital Linear Heat Sensing Cable has a PVC outer coating as standard and is suitable for a variety of applications. It is used to detect excess heat at any point along its length. Once the cable's rated temperature is reached, a signal is sent to the fire alarm control panel.

FyreLine Messenger Wire is available as an optional addition to FyreLine Digital Linear Heat Detection Cables to ensure the cable is supported correctly.

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 |

Tech Specs

| | |
|-------------------------|-----------------------------------|
| 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 |
|-------------|--|
| 18-015 | FyreLine Digital LHD Cable, PVC, Messenger Wire, 68°C, 100m |
| 18-016 | FyreLine Digital LHD Cable, PVC, Messenger Wire, 68°C, 200m |
| 18-017 | FyreLine Digital LHD Cable, PVC, Messenger Wire, 68°C, 500m |
| 18-025 | FyreLine Digital LHD Cable, PVC, Messenger Wire, 88°C, 100m |
| 18-026 | FyreLine Digital LHD Cable, PVC, Messenger Wire, 88°C, 200m |
| 18-027 | FyreLine Digital LHD Cable, PVC, Messenger Wire, 88°C, 500m |
| 18-035 | FyreLine Digital LHD Cable, PVC, Messenger Wire, 105°C, 100m |
| 18-036 | FyreLine Digital LHD Cable, PVC, Messenger Wire, 105°C, 200m |
| 18-037 | FyreLine Digital LHD Cable, PVC, Messenger Wire, 105°C, 500m |