Fike

Fike DTS - Distributed Temperature Sensing
FLEXIBLE FIRE DETECTING FIBER OPTIC CABLE

Fike offers real-time distributed temperature sensing (DTS) along the length of a fiber optic cable up to six miles long.
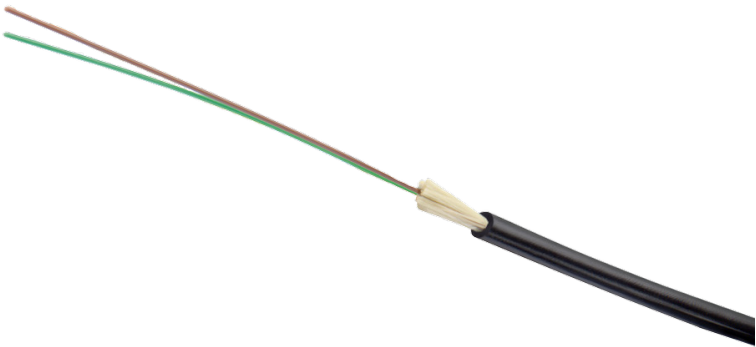
Learn how this early warning fire detection solution provides fast response and precise location of hazards even in the most challenging environments!

The Fike DTS fiber optic cable measures a complete temperature profile within seconds by transmitting pulses of laser light and analyzing the return signal.

Particularly suited for large-scale infrastructures, this industry leading technology allows for a variety of alarm criteria including fixed temperature thresholds, temperature rate of rise and difference-to-zone average, all possible along the same cable run.

The system requires little maintenance, is immune to dirt, dust, corrosive environments, organic vapors, extreme temperatures, radiation and air currents, and accurately determines the size and direction of a spreading fire regardless of the conditions.
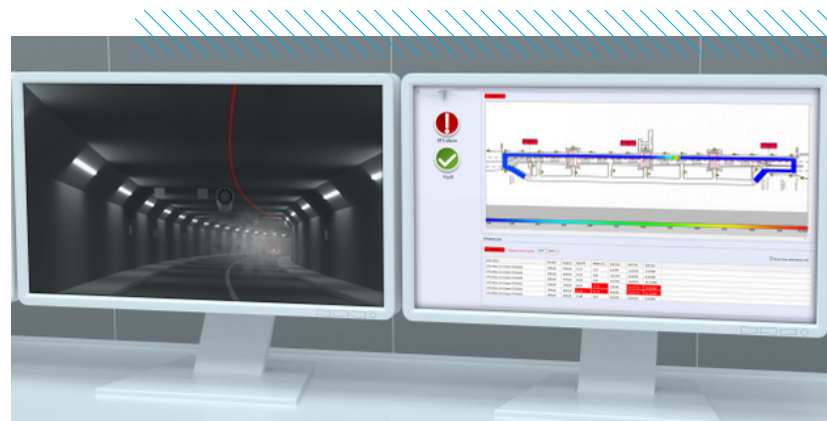
DTS HIGHLIGHTS

- Wide application temperature range for -40 °F in freezers to 185 °F (85 °C) in manufacturing areas.

- Certified and compliant with VdS EN 54-22, UL 521, ULC-S530, FM 3210 and 3010, and more.

- Immune to EMC and RFI; ideal for tunnels, cable trays, transformers and generators.

- Simple system integration with a Fike fire alarm control panel and SCADA/BMS.

SMARTVISION SOFTWARE

This visualization software offers real-time color-coded temperature readings, alarm zones and operational status throughout the cable run of your application, all on one easy-to-read screen. The software also records temperature history, so preventative measures may be performed based on trends in the data.

Primary Applications

VEHICLE TUNNELS
Quickly detects vehicle fires in tunnels to alert local fire personnel and activate suppression systems, and may also identify electrical fires in difficult-to-access interior walls.

AUTO-RETRIEVAL WAREHOUSES
Ideal for environments where other detection may be ineffective at identifying early fires resulting from electrical shorts, overheated equipment, malfunctioning batteries, and more.
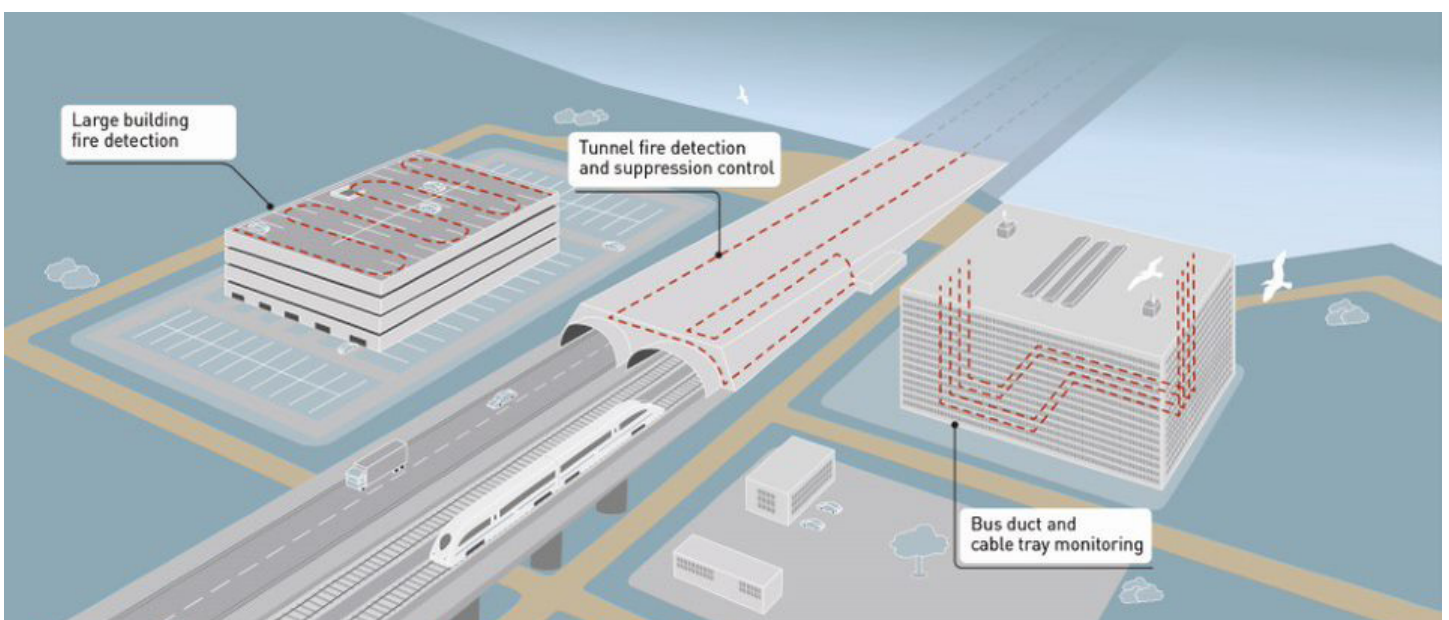
AIRPLANE HANGARS
May be routed throughout large hangars to detect fires created when welding sparks meet flammable hydraulic fluid, for example, and activate connected foam or water-suppression systems.

MARINE VEHICLE DECKS
One undetected fire can quickly spread, resulting in exorbitant damage to the cargo and ship itself; Fike DTS provides early detection of these increasingly common hazards.

Large building fire detection

Tunnel fire detection and suppression control

Bus duct and cable tray monitoring

Why Fike?

24/7 TECHNICAL SUPPORT

When you call, we pick up the phone to solve any of your urgent problems. Fike's dedicated technical support team is here to help during normal business hours and 24/7 in emergency situations.
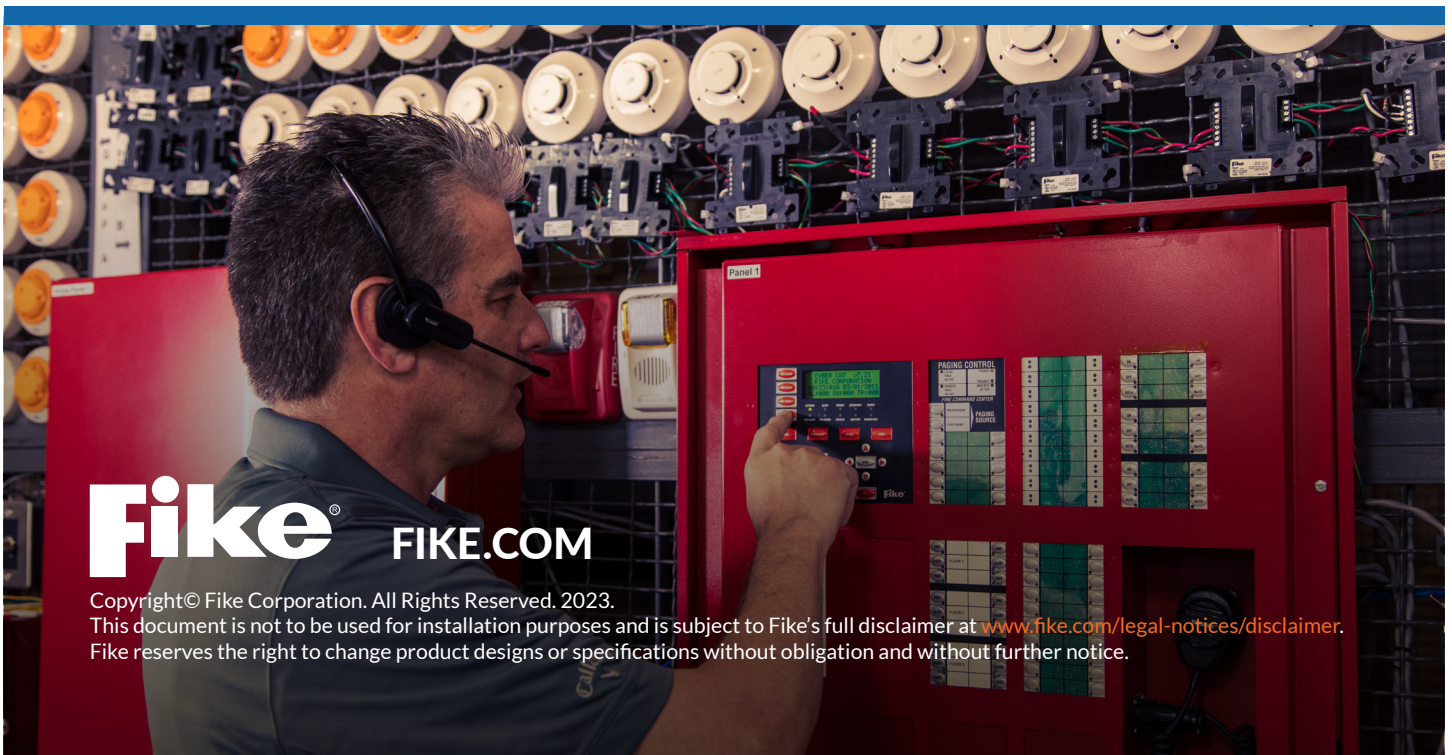
PROPRIETARY TECHNOLOGIES & SOLUTIONS

Fike is the only fire protection manufacturer where you'll find the following patented product innovations such as Impulse Valve technology, Video Analytics software and DuraQuench Pro pumped-water mist system.

WIDE DISTRIBUTION NETWORK

Fike fire protection systems are represented by hundreds of trusted partners located around the world to help specify, install and commission Fike products quickly and reliably.

CONSULTANCY

Whether you're a facility manager, a fire protection distributor, an architect, an engineer, an authority having jurisdiction or a fire protection distributor, the Fike team is here to help. Tell us about your problem, ask us any questions, and get the answers you need.

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