

# ThermoCable™ Linear Heat Detection

## How does it work?

ThermoCable is easy to design, install, operate, and maintain. Up to 10,000 feet (3,000m) of ThermoCable can be used on every zone of any approved conventional panel, and every contact monitor module of any approved addressable panel.

Below you will see a typical system, highlighting the easy to use ThermoCable components. You start with any approved conventional panel or any approved addressable contact monitor module. You can then add the optional distance locating module followed by leader wires in a conduit to the beginning of the hazard zone, or you can connect ThermoCable directly to the distance locating module.

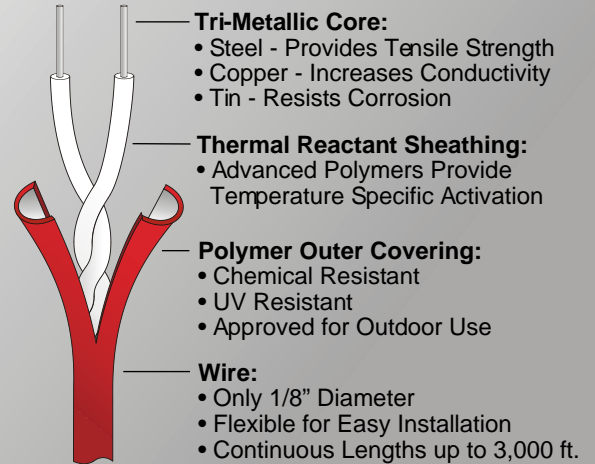
The NEMA 4 junction box is the beginning of each zone where you connect your leader wires (if used) to a screw terminal. Exit the junction box using a moisture proof strain relief connector which seals the box where the zone begins. Approved mounting devices placed at 3 - 5 ft. (1 - 1.5 m) intervals allow the wire to expand and contract. Several styles of ThermoCable mounting accessories are available which are designed to accommodate different types of hazards. ThermoCable is spaced every 35 feet (10.7 meters), and may be strapped directly to the sprinkler piping if it is an integral part of a pre-action sprinkler system. At the end of the zone, terminate the ThermoCable in an ELR box using the end of line resistor supplied by your panel manufacturer.

It's that easy. ThermoCable does not require that you purchase any expensive proprietary panels which require additional maintenance and cost. Simply add ThermoCable to an existing conventional system or add a contact monitor module to an already existing addressable system.

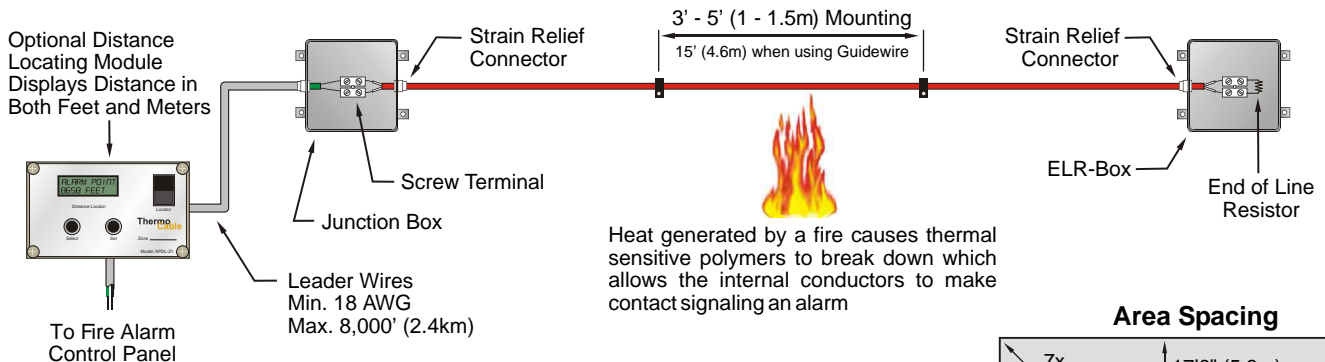


### The Technology Behind New LHD

ThermoCable Linear Heat Detection (LHD), uses advanced polymers and a newly developed alloy to provide exceptional detection, durability, and design flexibility. At the core of ThermoCable is a twisted pair of extremely low resistance, tri-metallic conductors which are sheathed in new advanced thermal polymers. These polymers are chemically engineered to break down at specific fixed temperatures allowing the twisted conductors to make contact and initiate an alarm.

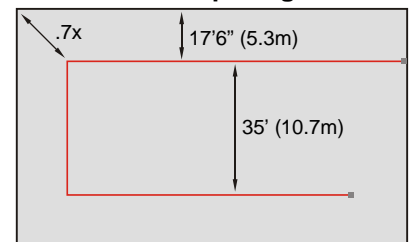


### ThermoCable System Components:



Heat generated by a fire causes thermal sensitive polymers to break down which allows the internal conductors to make contact signaling an alarm

#### Area Spacing



- Note:**
- May also be used in a 4 Wire, Class "A" configuration.
  - Reduce spacing by one half if 30 feet (10m) or above.



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