



Digital Linear Heat Application Guide

DIGITAL LINEAR HEAT DETECTION CABLE

Digital Linear Heat Cable incorporating Thermocable fixed temperature detection technology provides an easy installation method for sensing changes in temperature levels. The cable can be used in a vast range of applications and environments, from tunnels where traffic is a constant risk of fire, to sensing changes in temperature within escalators where many risks of fire are hidden from view.

Using a Mini Switch Monitor (55000-760), Switch Monitor (55000-843), Zone Monitor (55000-845) or Input/Output unit (55000-847), the linear heat cable can easily be interfaced to an Apollo addressable loop or can be connected to a conventional fire alarm panel directly.

Digital Linear Heat Cable comprises a pair of twisted low resistance, tri-metallic conductors, sheathed in advanced temperature sensitive polymers. When the cable reaches the detection temperature, the two twisted cores will fuse together. A fire triggering resistor attached to the input interface and a single core of the linear heat cable would trigger an alarm at the main fire panel.

FEATURES OF THERMOCABLE DIGITAL LINEAR HEAT

- ULC/UL Approved (File No. S8976)
- FM Approved (Class 3210)
- Up to 3km (10,000ft) Per Zone Detection along the entire length of the sensor cable.
- Optional Nylon extrusion UV protection for outdoor use for increased durability.
- Optional Polypropylene extrusion for increased chemical protection & caustic environments.

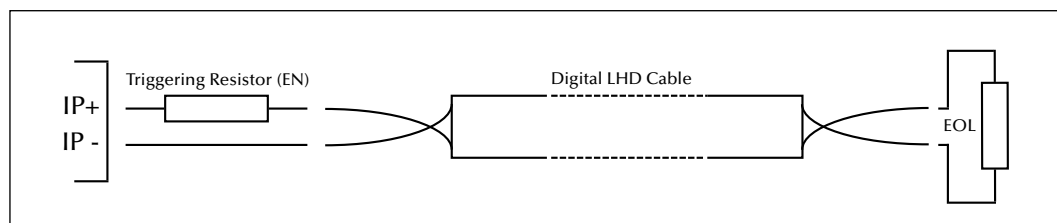
DETECTION TEMPERATURES

- 68°C (155°F)
- 78°C (172°F)
- 88°C (190°F)
- 105°C (220°F)
- 185°C (365°F)

DISTRIBUTORS

Contact Thermocable Flexible Elements by visiting www.thermocable.com, for a list of distributors who supply cable that incorporates Thermocable fixed temperature detection technology.

WIRING SCHEMATIC



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