



16 February 2007

Question:

Std: NZS 4512

Interpretation:

Issued by the Alarms and Detection Group

*FI 071*

Section 216

A line type heat detector is constructed as a cable with two parallel conductors, separated by an insulating material, all enclosed in an outer sheath. It initiates a fire alarm by the conductors shorting together when the insulating separator melts.

a) Is this permitted?

a) Yes, provided the detection cable is supervised for its entire length as per 208.1(b) and (c).

b) What visual indication of operation is required?

b) No visual indicator is required on or adjacent to the line type heat detector itself. The text associated with the corresponding zone indicator on each indicating unit must identify the presence of a line type heat detector. Any point type detectors or manual call points in the same zone must have indicators.

Commentary:

Linear heat-sensing cable is not readily identifiable as a detector. An indicator at any arbitrary point on its length could at best be confusing, or at worst direct a search away from a fire location. Identification on the zone index alone will clearly indicate to any person the whole circuit/zone area needs to be searched.