



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
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Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 366-05-E

Manufacturer: Thermocable Flexible Elements Ltd., Pasture Lane, Clayton, Bradford, West Yorkshire, BD14 6LU. UK

Trade Name(s): Thermocable

Product: Line-Type Heat Detector, Models TH68, TH78, TH88, and TH105

Pertinent Code Section(s): Subchapter 17 and Reference Standard RS 17

Prescribed Test(s): UL 521, 7th Edition Standard

Laboratory: Underwriters Laboratories Inc.

Test Report(s): UL File S8976, Vol. 1, Sec. 1, dated May 20, 2005, revised May 25, 2005

Description: The Models TH68, TH78, TH88, and TH105 are fixed-line type heat detectors, designed for 2-wire installations, which function automatically with an increase in temperature. They can be used in conjunction with MEA-approved control panels. They are tested at the installation stage when they can be heated up using a commercially available heat gun until the detector triggers an alarm. This operation is carried out at the remote end of the detector as the detector would need to be cut back and repaired following the overheat situation. Overheated sections of the detector that exceed the alarm trigger point must be replaced following activation. The product identity is "Heat Activated Device for Special Application".

LINEAR HEAT DETECTION CABLE Documentation Manual.

Features.

- Twin Twisted Thermal Sensitive Signalling Cores.
- One Shot System.
- Normally Open pair (closed on Alarm).
- Indoor/Outdoor use.
- Simple Installation.
- Compatible with various Control Systems.
- Suitable for Applications to -30°C .
- Moisture Resistant.

Typical Cable Lengths.

- All TH LHD Cables can be used at any length from 1m to 1000m.
- TH LHD Cables can be joined together using suitable screw type connections.
 - There is no need to determine polarity when extending the LHD Cable.
- Typical Stock lengths:
 - 100m
 - 200m
 - 500m
 - 1000m

Rating Specifications.

Type Number	Maximum Ambient (deg c)	Minimum Alarm (deg c)	Maximum Alarm (deg c)	Application
TH 68	45	64	74	Indoor/Outdoor
TH 78	50	74	85	Indoor/Outdoor
TH 88	70	84	93	Indoor/Outdoor
TH 105	70	101	110	Indoor/Outdoor

Specification.

- Core (all LHD cable) - 0.912mm Tinned Copper Coated Steel.
- Nominal Resistance - 100 ohms (per 1km @ 20°C).
- Voltage rating - 30V AC/42V DC.
- Outer Sheath - PVC Nominal Diameter 3.5mm.
 - TH 68 - Violet.
 - TH 78 - Red.
 - TH 88 - White.
 - TH105 - White.

Approvals.

- UL Listed for Special Applications.
 - File No - S8976.

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objection letter dated November 29, 2005, F. P. Index#0510005A.

Terms and Conditions: The above units are accepted on the following conditions that:

1. All uses, locations and installations shall comply with the New York City Building Code, specifically Subchapter 17 and with the Reference Standards RS 17-3 through 17-3C, inclusive and 17-5, as applicable, including the NFPA as appropriate, the UL listing, manufacturer's instructions, the Fire Department Directives, and with the Electrical Code of the City of New York.
2. The above referenced products shall only be used/installed in areas where smoke detection and/or spot type heat detection has been demonstrated by the Engineer of Record to be impractical and/ or ineffective.
3. Prior approval from the Fire Department is required for the installation of the above products.
4. The above products shall not be used for open area protection.
5. All the above products shall be used only with listed and accepted/approved control panels and accessories with which the compatibility has been determined to be acceptable by Engineer of Record or a UL report.
6. UL and manufacturer's installation procedures and limitations shall be complied with.
7. All uses, configurations, arrangements and functions, application and installations shall comply with the provision of the New York City Building Code, specifically Subchapter 17, and Reference Standards 17-3 and 17-5.
8. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance August 2, 2006.
Examined by Donald [Signature]