

REDEFINING
LINEAR PNEUMATIC FIRE DETECTION & SUPPRESSION

 AutoFireX FIRE DETECTION TUBE CE ISO7328 BS5409 12345



AUTOFIREX® FIRE DETECTION TUBE



PROTECT YOUR WORLD

UL Recognised Component Marked Under UL 521 Certification of Heat-Automatic Fire Detectors Component (Tubing)

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AUTOFIREX® FIRE DETECTION TUBE



AutoFireX® Fire Detection Tube is a Linear Pneumatic Heat Detection tube specifically manufactured and designed for the use in fire suppression systems that responds to combination of heat and radiant energy that generally accompanies a fire. The pressurised Fire Detection tube when exposed to fire/radiating heat from fire, is designed to rupture due to flame impingement, at specific temperatures at any point throughout its length, thereby releasing the pressure and initiate the release of the suppressant from connected valve and operate any other pressure operated signalling device interfaced with the system. The AutoFireX® Fire/Heat Detection Tube is used as a nonelectrical detection device.

Key Features

- ✓ Special Formulated material designed to function in Harsh and reactive environments.
- ✓ Formulation designed to prevent surface damage when exposed to or installed on Galvanised metal/equipment's.
- ✓ Special Formulation prevents gradual permeation of pressurising agent over period of time, adding to its 100% reliability.
- ✓ Non-Destructive Tested to withstand pressure max up to 140 Bar.
- ✓ UV Protected (Blue)
- ✓ Low moisture and water absorption ratios.
- ✓ Chemically resistive to most common chemicals
- ✓ Compatible with all Inert, Low pressure and High-Pressure Agents
- ✓ Utilised and installed as combination linear heat detector and unit activation device to cause actuation of Fire Suppression Systems.

Typical Material Specification

Composition:	Special Formulated Modified Polymer Material - Proprietary Information	
Dimensions:	Red: 6mm x 4mm (OD x ID)	Blue: 6mm x 4mm (OD x ID)
Rating:	138°C @15 Bar	168°C @15 Bar
Detection temperature:	Approx. (110°C to 138°C) *	Approx. (145°C to 168°C) *
Standard Requirements:	BS ISO: 7628: 2010, CE, UL	ISO7628: 2010(E), CE

***NOTE:** Detection time and temperature will be affected by factors such as internal pressure, flame intensity and rate of rise temperature changes

Physical Properties	
Density	1.095Kg/m ³
Moisture absorption 23°C - 50%RH	1.1%
Water absorption, immersion at 23°C	2.5%

Thermal Properties	
Thermal Decomposition	215°C
Heat Deflection Temperature	50°C

Electrical Properties	
Dielectric Strength (DIN53481)	Dry 40kV/mm
Volume resistivity	10 ¹³ Ohm-m
Surface resistivity	10 ¹² Ohm



APPROVALS & LISTINGS:

UL Recognised Component



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Quality Management System: ISO 9001:2015 Certified

