FlexRope FAQ Document

What types of applications is the rope designed for?

Firetrace FlexRope is designed for electrical enclosures, like electrical cabinets and panels, up to 35ft³ (1m³) and a maximum voltage of 600V.

What types of fires is the rope specified for?

Firetrace FlexRope is approved for Class A, B, and C fires.

How large of an area will the rope protect?

The rope protects enclosed areas of up to 1m³.

What lengths does the rope come in?

Firetrace FlexRope is sold in 4 different kits that have been developed based upon the volume of the enclosure they will be installed in.

Why are there two identical lengths of product in each kit?

The kits include two lengths of product to provide enhanced installation flexibility and better coverage of ignition points.

Can I use the rope for non-electrical enclosure applications?

Currently, the rope is recommended for electrical enclosure applications.

Does this product have third-party accreditation?

Currently, UL and FM Approvals lack a test criterion relevant to this product, however, Firetrace's testing has proven the product meets or exceeds the extinguishing application density required by NFPA 2010 – Standard for fixed aerosol fire-extinguishing systems and has undergone a customized test program that includes performance fire testing.

What is the applicable NFPA Code?

NFPA 2010, Standard for Fixed Aerosol Fire Extinguishing Systems, as well as the UL 2775 fixed condensed aerosol extinguishing system units.

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Installation, Maintenance, Inspections

How is the rope installed?

The rope is installed using provided adhesive mounts and zip ties, maintaining 2-3 inches of distance from ignition points.

Can I install the rope myself, or do I need a technician?

The rope does not require installation by a certified installation specialist. Typically an on-site maintenance team is capable of installing the rope on its own.

What type of maintenance is required for the rope?

The rope does not require any ongoing maintenance after installation.

What types of inspections are required for installation and ongoing use?

Firetrace advises a simple visual inspection to ensure that the rope is installed correctly, but the product does not require any ongoing formal inspections.

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How does the rope detect fires?

The rope uses a potassium compound granular system. Granules are wrapped in a membrane and braided into the rope. When heat or flame is present, the rope catches fire and the entire length of the rope ignites.

How does the rope suppress fires?

During a thermal event inside an electrical enclosure, fire activates the FlexRope at 660 degrees fahrenheit, ensuring there are never false discharges.

How will I know if there has been a fire?

FlexRope actuates automatically. Upon visual inspection, product that has not activated is white with a slim blue stripe. Post actuation, the product appears blackened and becomes brittle.

What should I do after a fire?

In the event of activation, a minimum hold time of ten minutes is recommended before accessing the space. Please ensure the equipment is de-energized before allowing emergency response personnel to access the enclosure. Consult an appropriate licensed professional to determine if the components inside the enclosure are in working order.

Is it toxic?

This product is not intended for use in occupiable spaces. The by-products of combustion while not desirable for human exposure, are not considered toxic.

Is it non-corrosive?

If FlexRope is utilized in accordance with the user manual, corrosion is negligible within the accepted humidity conditions.

Is it non-conductive?

The product itself and provided mounting provisions are non-conductive.

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How much does it cost?

Firetrace FlexRope is sold in four different sizes that testing has determined are adequate for various enclosure volumes. Please contact your local authorized Firetrace distributor for pricing.

Where do I buy the rope?

Purchase the rope through your local fire suppression systems distributor. If you need help finding a Firetrace distributor, submit a 'Request a Quote' form on our website or call

Where is the rope available?

Please contact your local FIretrace distributor for availability.

How do I find a Firetrace FlexRope distributor?

If you need help finding a Firetrace distributor, submit a 'Request a Quote' form on our website or call +1.480.645.9650.

About Firetrace

What other types of systems does Firetrace sell?

Firetrace is a leader in automated fire suppression technology and systems, protecting a wide array of industrial/commercial applications ranging from large-scale rooms to specific pieces of equipment. Firetrace offers engineered and pre-engineered, indirect and direct systems.

What industries use Firetrace systems?

Firetrace systems are currently used for applications across multiple industries including manufacturing/machining, critical infrastructure, wind, and military/aerospace.

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