



# FIRE-TUFF®

When flexibility and high temperatures are a problem, FIRE-TUFF® is your solution

Whitney Blake's FIRE-TUFF® is suitable for any application where high temperatures are a factor. FIRE-TUFF® is the **industry's first and only 500°F fire-rated flexible coiled cord**. Fire-Tuff cables, cords, and assemblies are not only **fire retardant and retractable**, but **self-extinguishing**.

These high temperature coiled cords were certified to the National Fire and Protection Association, exceed the UL FT1 flame test and are used in the communication systems that firefighters and first responders rely upon.

A special high flex alloy conductor retains electrical continuity after 200,000 bend flex cycles. A unique blend of thermoset polymers not only provides heat and flame resistance but also prevents cable strain, while a superior bond over mold ensures a tight seal against water at the interfaces. The thermoset cable jacket resists coil sag and memory loss in critical high temperature situations and provides UV resistance. An overall shield provides protection from electromechanical interference (EMI) to promote the clarity and integrity of communication signals.

When you need extraordinary performance, call on Whitney Blake.

## Challenge:

When firefighters suit up, they use portable communications equipment. When they are inside a burning, smoke-filled building, they rely on that equipment to call for help, direct water flow and keep in contact with the rest of the team. Most of the equipment is shielded by the firefighter's protective gear. However, the microphone and its connecting coiled cord are outside the clothing, exposed to high heat and flames and likely to fail.

## Solution:

Whitney Blake invented FIRE-TUFF® heat resistant, flame retardant, self-extinguishing cables and cords for portable communications equipment. These cables and cords maintain functionality after repeated exposure to temperatures as high as 500°F. They ensure that firefighters and first responders remain in constant contact with their teams—keeping everyone safe.

\*Patent pending