



**Substation Reliability Experts, Inc.**  
**Licensed provider of FortiFire® technology**

## **Cable Joint Protection**

### **Problem:**

Cable joints and splicing are a prime location for fires to begin.

### **SRE Solution:**

This standard is used to apply a protective wrap to power cable joints and power cables in the vicinity of joints. The intent of this procedure is to reduce the effects of a joint or splice failure upon power distribution cables and to reduce the spread of fire after a “flash” event. The EP3990 wrap material is not designed to contain a joint failure. The intent of the wrap is to mitigate the impact of flame, hot gasses and molten materials upon surrounding power cables.

### **SRE Advantages:**

- Ability to remove fire wraps to update joints and re-route cables.
- Before and after matrix aid in proper system selection. Also provides visual to compare completed work insuring correct installation.
- Design drawings are assembled allowing each step of the process is able to be understood by a novice installer. Following each step in sequence insures a fire protection installation that will function in a fire/smoke event.
- Ability for corrective maintenance to be performed 10, 20, even 30 years from now
- System designs are installed by SRE’s trained and certified installers.
- Ability to install while the unit is live.
- Emit extremely low levels of smoke/toxic gas when subjected to fire
- Flexible yet durable material
- Joints closely located to each other may be wrapped as a group, or individually wrapped.

### **Material(s) Description:**

EP-3990 Wrap

### **Before and After Photos:**

