



event-prevent with

HOT•STOP[®] XLN FIREPROOF TAPES

HOT•STOP XLN Fireproofing Tapes were developed specifically for use by electric utilities to fireproof underground cables, splices and related equipment in underground electric vaults. HOT•STOP XLN tapes protect from external fire sources and helps contain fires as well. The performance criteria was established by a major electric utility determined to provide the best solution for the prevention of outages caused by electric arcs and sustained fires fueled by gases. The resulting product is HOT•STOP Fireproofing Tape Style XLN.

HOT•STOP XLN tapes are simple to apply and require no additional training for existing personnel. 750 Triplex Cable →



FIRE TESTING

Fireproofing material performance criteria was established by a major electric utility to determine the best solution for the prevention of outages caused by arc faults and sustained fires fueled by gases. The resulting product is HOT•STOP[®] XLN Fireproofing Tape.

Extensive fire testing has been performed on HOT•STOP XLN Tape for the protection of underground cables. Extreme fire conditions were simulated to qualify candidate products.

PECO Energy of Philadelphia performed tests by subjecting cables wrapped with HOT•STOP XLN Tapes to simulate a typical fire condition found in their underground electric vaults. The tests were conducted by subjecting the wrapped cable to a quick blast of 2000°F flame, simulating an explosion. The cable was allowed to cool and again subjected to a 2000°F flame for one minute and allowed to cool. Finally the wrapped cable was subjected to a 4-minute sustained burn.

Unprotected cables and cables wrapped in the previous generation style of protective tapes predictably failed and did not offer any protection to the systems cable.



HOT•STOP XLN →

Previously used tape →

Unprotected cable →



ARC FAULT TESTING

In the following photo sequence HOT•STOP XLN Tape Wrap was tested as a fire proofing/arc proofing tape to protect cables typically used in underground electric utility vaults from arc faults and the fires they cause. To simulate arc fault conditions and the resulting fires, the lower splice (A) was energized and forced to fault for the test. The test fault conditions recorded were 8,320V, 5,100A, 30 cycles. A total of three tests were performed with the HOT•STOP XLN Tape in place during all tests.

With the three tests complete the tape was removed to inspect the cables it protected. The cables were inspected and were found to have no fire or arc damage, 100% protection.



ESTABLISHED CRITERIA WAS MET & EXCEEDED, AS LISTED:

- EASE OF APPLICATION & SAFE FOR PERSONNEL CONTACT • NO FUMES OR TOXIC GASSES GENERATED •
- CAPABLE OF WITHSTANDING HARSH CONDITIONS INCLUDING FIRE, ENVIRONMENTAL VELOCITY, CHEMICALS, BRACKISH WATER, AND MECHANICAL DAMAGE • CONTAINS FIRES AND PROTECTS FROM EXTERNAL FIRE SOURCES • WILL NOT BURN OR SUPPORT COMBUSTION • TAPES ARE IMPREGNATED WITH A PRODUCT SPECIFIC DYE FOR EASE OF IDENTIFICATION •
- COLOR TREATMENT WITHSTANDS WATER IMMERSION, CHEMICALS AND SOIL • TAPES ARE NON-ASBESTOS AND PRODUCED FROM CONTINUOUS FILAMENT GLASS FIBER WITH A DIAMETER OF 6 MICRONS • EACH ROLL IS UNIFORM IN DIMENSION AND PACKAGED IN CONTINUOUS LENGTH WITHOUT SPLICES • HOT•STOP XLN IS COST EFFECTIVE •

HOT•STOP XLN Tape, Blanket & Cord

Part #	Width	Length	Thickness
<u>Tape</u>			
XLN-3-RR	3"	20'	.062"
XLN-3-RR	3"	10'	.062"
XLN-1.5-RR	1.5"	20'	.062"
XLN-1.5-RR	1.5"	10'	.062"
<u>Blanket</u>			
XLN-30-RR	30"	20'	.050"
XLN-30-RR	30"	10'	.050"
<u>Tie Cord</u>			
XLN-Tie Cord	2 lb. spool	386 yd.	1/16" diameter