

138 Arc and Fireproofing Tape

DESCRIPTION

Electro #138 Arc fireproofing tape is a chemically inert fire retardant tape that provides excellent flame and arc protection for all types of cables. It is used to protect all high voltage cables, and low voltage power, control and communication cables that occupy the same enclosure with high voltage cables and equipment. It should be provided in all manhole, vaults, boxes, and equipment housings to protect cable, equipment and personnel against arc explosion and the intense heat of a cable fault and fire. The use of #138 Arc and fireproofing tape is important where smoke generation and toxicity of fumes must be held at a low level.

FEATURES

The #138 Arc and fireproofing tape is a water-based, chemically inert, conformable tape, consisting of a thin, polyester fabric on which one side is coated with a highly fire-retardant, polymeric coating. The tape contains no asbestos or halogen compounds such as polyvinyl chloride, chlorinated plasticizers, etc. The tape is non-corrosive to cable jackets, either lead or elastomeric, such as cross-linked polyolefin. The #138 will not deteriorate when exposed to fresh or salt water, sewage and fungi. The tape has good flexibility even at 0°F. The #138 is white for ready identification of arc-proofed cables.

APPLICATIONS

The #138 arc and fireproofing tape is applied by wrapping spirally around each cable or bundle in a half overlap or butt wrapped (with a 1/4:" overlap) with the fabric side of tape against the cable. The proper tape width (1.5", 2", 3") depends on cable diameter, bends, and cable connector size transitions. The tape is secured at the beginning and end of the spiral and where new rolls are started at mid-point by a simple wrap of fiberglass, neoprene impregnated, tie cord.

PHYSICAL PROPERTIES

Color	Light Blue
Thickness	50 mil
Tensile Strength	40 lbs./in.
Elongation	250%
Dielectric Breakdown	500 volts per mil
Arc Resistance	> 20 seconds
Flame Resistance	> 6 minutes
* Con. Ed. EO-5343-14	

CROSS REFERENCE

Electro Tape	3M	Plymouth
#138	77	3817, 3819

The physical and performance characteristics shown are averages obtained from tests recommended by ASTM, government agencies or our own procedures. A particular roll may vary slightly from these averages and it is recommended that the purchaser determine the suitability for his own purpose.