

WOER Flame retardant and Arc-proofing tape



Product Introduction

Flame retardant and arc proofing tape is a non-adhesive tape with fireproof, heat insulation and arc resistance, specially used for fireproofing of cables.

Flame retardant and arc proofing tape will expand rapidly when exposed to fire, and a thick carbon compound will be created between the fire source and the cable or cable joint, to eventually maintain heat insulation and fire prevention. Moreover, this tape has excellent arc resistance.

In the event of arc caused by damaged cable insulation, followed by fire, it can act as a barrier.

Product Features

- The product is light and thin, is conducive to the heat dissipation of the cable, and is easy to install;
- High tensile strength, excellent covering;
- Quality material, with excellent insulation;
- The product demonstrates fairly good flexibility and formability, suitable for fire protection of complex structures;
- Excellent arc resistance, which protects adjacent wrapped cables and accessories when the cable suffers from a fault arc.

Technical Parameters

| No. | Item | Typical value |
|-----|--|---------------|
| 1 | Color | Black |
| 2 | Hardness A | 90 |
| 3 | Tensile strength(room temperature) MPa | 17.7 |
| 4 | Elongation at break(room temperature)% | 210 |
| 5 | Elongation at break (-12°C)% | 25.3 |
| 6 | Tensile strength (-12°C) MPa | 120 |
| 7 | Tensile strength (-18°C) MPa | 23.5 |
| 8 | Elongation at break (-18°C) MPa | 83 |
| 9 | Dielectric strength kV/mm | 23 |
| 10 | Flame retardant grade | V0 |
| 11 | Oxygen index | 32.9 |
| 11 | Shelf Life | 2 years |

Application

For fire prevention of cables

The product is used on the cables on one or both sides of the cable penetration hole sealing layer, and also on the cables on both sides of the fire barrier or firewall or other similar places. It is recommended that the wrapping length of one layer is more than 2mas shown below:

Fire prevention of cable joints

Set fire resistance section for cables and joints. It is recommended to wrap the length of at least 3m on both sides of the joint and corresponding parts of other cables as shown below:

Fire prevention of cable terminations

Wrap fireproof and anti-arc tape under the cable termination for at least 2.5m as shown below:

Product Size

Product dimension: 6000mm×50mm×0.76mm

Remark: Customization is available for request.

Installation Instruction

1 Step



Clean the surface of cable, cable joints or other places to be protected;

Unpack the tapes, and remove the from the tape; Spirally wrap the tape from the bottom to the top and also from the connection to the cable side;



2 Step

3 Step



There is no front side or back side for the tape. It need to be spread out smoothly when wrapped, and do not fold or overlap;
Stretching the tape to 200% of its length, and then wrap with a 50% overlap.

When the tape is finished for wrapping, it has to be a smooth surface without protrusions at the end of tapes. Stretch the tape end and wrap back to tapes applied previously, then pressing the tape end hard for 2-3 seconds until a good bonding has been maintained between layers.



4 Step

Attention:

This product contains chemical materials. Do not swallow;

This product shall be stored in dry place under storage temp 0°C~30°C;

During the whole process of installing, the operator should keep hands clean, especially oil free on hands;
No blister, oily stain or moisture shall be allowed between layers;

Press the tape end hard until a good bonding has been maintained between layers.

TEST REPORT:

