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胶粘制品有限公司 (INCORP.)  
**GTG MANUFACTURING SDN. BHD.**  
(KILANG PITA PELEKAT)

MPL/JCL/2/26A/2018

**GTG MANUFACTURING SDN. BHD.** (INCORP.)

PVC FLOOR TAPE, DOUBLE SIDED PET TAPE, WATER RESISTANT TAPE, ADHESIVE TAPE, BATH SLIP TAPE, WOODEN TAPE, OPP PACKING TAPE, CARTON TAPE, TYPOLIN TAPE, ELASTIC TAPE

WE ARE ISO CERTIFIED MANUFACTURER. WELCOME YOUR ENQUIRY  
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**GTG MANUFACTURING SDN. BHD.** (INCORP.)

OPP TAPE, CLAYED BOPP TAPE, BOPP TAPE, STRETCH FILM, PVC ELECTRICAL TAPE, PROTECTIVE FILM, ALUMINUM FOL TAPE, DOUBLE SIDED TAPE, BLACK PROTECTIVE TAPE, DOUBLE WIDE

WE ARE ADHESIVE TAPES & PACKAGING MATERIALS MANUFACTURER  
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# Key products

03

1

Rubber tapes

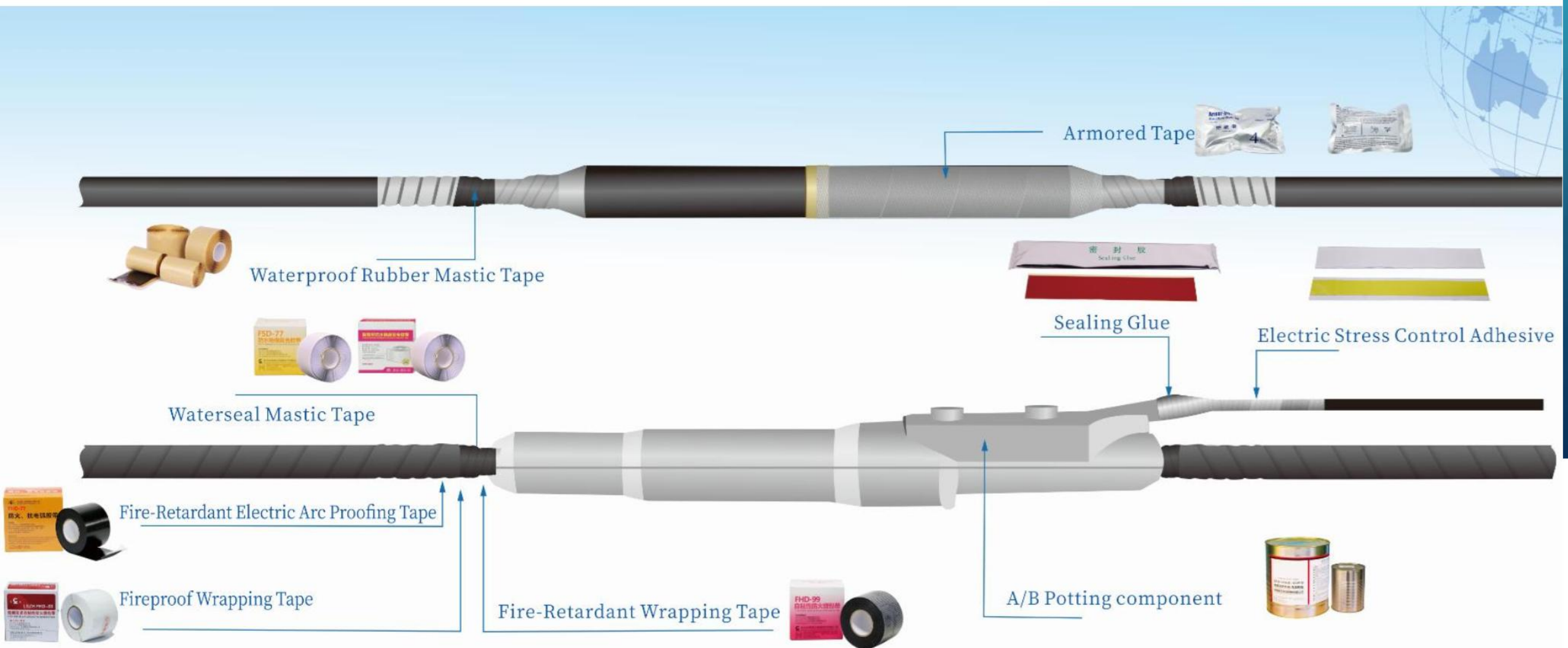
2

Fireproof tapes

3

Waterproof tapes

## Cable accessories Materials





## EPR Self-fusing Tape

### J-20 Self-fusing Insulation tape

applicable voltage class: 10kV and below.



### CLJ-20 Self-fusing Insulation tape

applicable voltage class: 35kV and below.



### CLJ-23 Self-fusing Insulation tape

applicable voltage class: 69kV and below.



### CLJ-50 Self-fusing Insulation tape

applicable voltage class: 500kV and below.



#### 使用说明Instructions:

将自粘带去掉隔离膜,拉伸200%左右,以半搭式绕包于需要绝缘或防水密封保护的部位上。(注:在本带裸露于空气中时,外层需要再绕一层PVC胶粘带作保护层。)在阴凉干燥储存条件下,保质期30个月。

Remove the isolation film from the self-adhesive tape, stretch about 200%, and wrap it in half lap type on the part that needs insulation or waterproof seal protection. (Note: When the tape is exposed to the air, the outer layer shall be wrapped with a layer of PVC adhesive tape as a protective layer.) Shelf life is 30 months under cool and dry storage conditions.

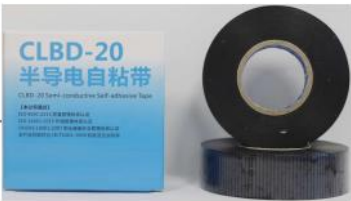
序号 Serial number	项目名称 Project name	技术指标 Technical index					试验方法 Test method
		CLJ-20	CLJ-23	CLJ-30	CLJ-50	J-20	
1	抗张强度 (MPa) Tensile strength (Mpa)	≥1.0	≥2.0	≥1.7	≥1.7	≥1.3	GB/T 528-2009
2	断裂伸长率 (%) Elongation at break (%)	≥500	≥500	≥500	≥500	≥500	GB/T 528-2009
3	击穿强度 (kV/mm) Breakdown strength (kV/mm)	≥20	≥28	≥28	≥31	≥20	GB/T 1695-2005
4	体积电阻率 (Ω·cm) Volume resistivity (Ω.cm)	≥1×10 <sup>14</sup>	≥1×10 <sup>14</sup>	≥1×10 <sup>14</sup>	≥1×10 <sup>14</sup>	≥1×10 <sup>14</sup>	GB/T 1692-2008
5	介质损耗角正切 Dielectric loss tangent	≤0.05	≤0.05	≤0.05	≤0.05	≤0.05	GB/T 1693-2007
6	介电常数 Dielectric constant	≤5.0	≤5.0	≤5.0	≤5.0	≤5.0	GB/T 1693-2007
7	自粘性 (24h) Self-adhesive (24h)	无松脱 Unloose	无松脱 Unloose	无松脱 Unloose	无松脱 Unloose	无松脱 Unloose	JB/T 6464-2006
8	耐热应力开裂 (130°C) Heat resistant Stress cracking (130°C)	不开裂 Non-cracking	不开裂 Non-cracking	不开裂 Non-cracking	不开裂 Non-cracking	不开裂 Non-cracking	JB/T 6464-2006
9	耐热性 (°C) Heat resistance (°C)	100	130	130	130	100	JB/T 6464-2006

All detection indicators have standards (national standards and enterprise standards), detection methods and conditions.

# Semi-conductive tape

## CLBD-20 Semi-conductive tape

applicable voltage class:  
35V and below electric field shielding.



## CLBD-50 Semi-conductive tape

applicable voltage class:  
500kV and below electric field shielding.

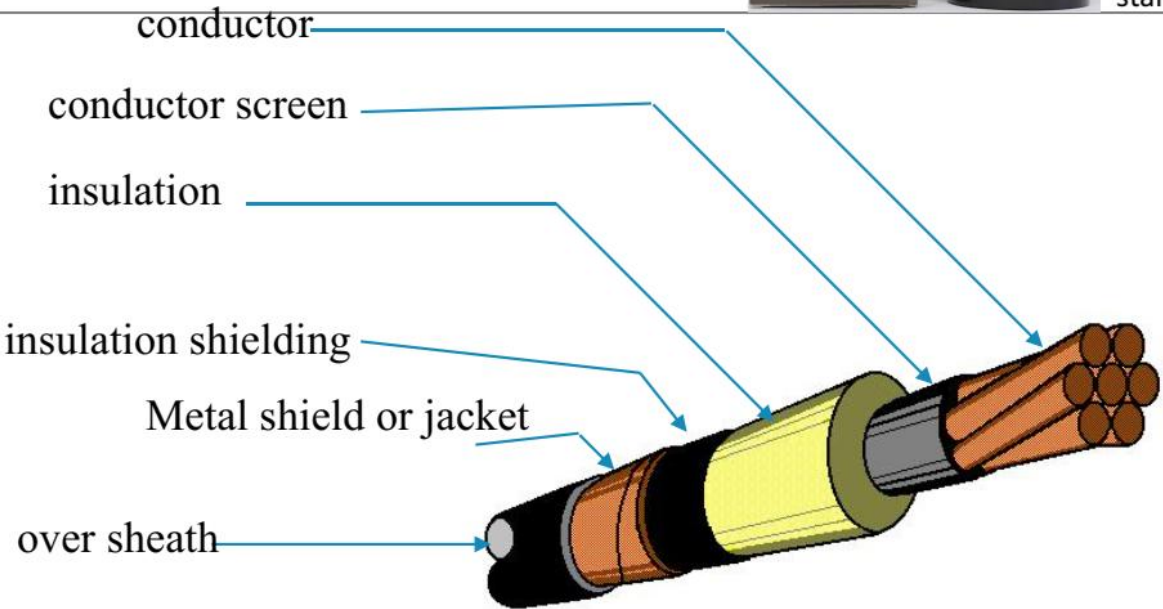


### 使用说明Instructions:

将自粘带去掉隔离膜,拉伸200%左右,以半搭式绕包于需要屏蔽的部位上。在阴凉干燥储存条件下,保质期30个月。  
Remove the isolation film from the self-adhesive tape, stretch it by about 200%, and wrap it around the part that needs to be shielded in a semi-lap type. Shelf life is 30 months in cool and dry storage condition.

序号 Serial number	项目名称 Project name	技术指标 Technical index		试验方法 Test method
		CLBD-20	CLBD-50	
1	抗张强度(MPa) Tensile strength (Mpa)	≥1.3	≥1.3	GB/T 528-2009
2	断裂伸长率(%) Elongation at break (%)	≥500	≥500	GB/T 528-2009
3	体积电阻率(Ω·cm) Volume resistivity (Ω.cm)	≤1×10 <sup>3</sup>	≤1×10 <sup>3</sup>	GB/T 3048.3-2007
4	自粘性(24h) Self-adhesive (24h)	无松脱 unloose	无松脱 unloose	JB/T 6464-2006
5	耐热应力开裂(130℃) Heatresistant Stresscracking(130℃)	不开裂 non-cracking	不开裂 non-cracking	JB/T 6464-2006
6	耐热性(℃) Heat resistance (℃)	130	130	

All detection indicators have standards (national standards and enterprise standards),detection methods and conditions.



I

Stress control

II

Insulation recovery

III

Conductor extraction

IV

Shield connection and extraction

V

Sealed waterproofing



# Electrical stress control tape

## CLYK-20 Composite Electrical Stress Control Tape

Helps equalize the flux lines to balance electrical stress in medium voltage joint and termination applications



Materials compatibility: For use with solid dielectric cable, rubber and synthetic splicing, and epoxy and polyurethane resins.

### Application

Electric stress control of cable terminal and intermediate joint of 35kV and below.



### 使用说明Instructions:

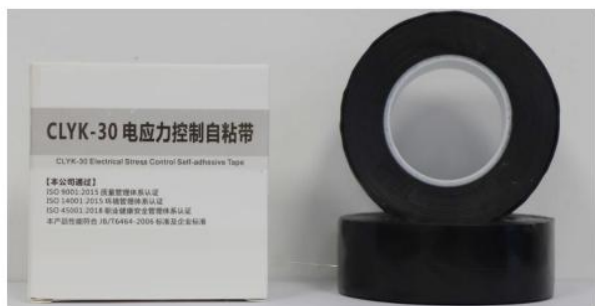
- 被包裹表面需打磨、清洁。
- 将自粘带去掉隔离膜，拉伸200%左右，以半搭式绕包于需电应力控制的部位上。绕包完，用手挤压胶带，使其粘附紧密。
- 可用于户外环境，但不适合严重污秽条件下使用。
- The wrapped surface needs to be polished and cleaned.
- Remove the isolation film of the self-adhesive tape, stretch about 200%, and wrap it on the part of the electric stress control. After wrapping, squeeze the tape with your hands to make it adhere tightly.
- Can be used for outdoor environment, but not suitable for serious pollution conditions.

序号 Serial number	项目名称 Project name	技术指标 Technical index	试验方法 Test method
1	抗张强度 (MPa) Tensile strength (Mpa)	≥6.0	GB/T 528-2009
2	断裂伸长率 (%) Elongation at break (%)	≥200	GB/T 528-2009
3	体积电阻率 (Ω·cm) Volume resistivity (Ω.cm)	≥1×10 <sup>10</sup>	GB/T 1692-2008
4	介电常数 Dielectric constant	8~20	GB/T 1693-2007
5	自粘性 (24h) Self-adhesive (24h)	无松脱 unloose	JB/T 6464-2006
6	耐热应力开裂 (130℃) HeatresistantStresscracking(130℃)	不开裂 non-cracking	JB/T 6464-2006

# Electrical stress control tape

## CLYK-30 Electrical stress control tape

Helps equalize the flux lines to balance electrical stress in medium voltage joint and termination applications



Materials compatibility: For use with solid dielectric cable, rubber and synthetic splicing, and epoxy and polyurethane resins.

### Application

Electric stress control of cable terminal and intermediate joint of 35kV and below.



### 使用说明Instructions:

- 被包裹表面需打磨、清洁。
- 将自粘带去掉隔离膜，拉伸200%左右，以半搭式绕包于需电应力控制的部位上。绕包完，用手挤压胶带，使其粘附紧密。
- 可用于户外环境，但不适合严重污秽条件下使用。
- The wrapped surface needs to be polished and cleaned.
- Remove the isolation film of the self-adhesive tape, stretch about 200%, and wrap it on the part of the electric stress control. After wrapping, squeeze the tape with your hands to make it adhere tightly.
- Can be used for outdoor environment, but not suitable for serious pollution conditions.

序号 Serial number	项目名称 Project name	技术指标 Technical index	试验方法 Test method
1	抗张强度 (MPa) Tensile strength (Mpa)	$\geq 1.3$	GB/T 528-2009
2	断裂伸长率 (%) Elongation at break (%)	$\geq 200$	GB/T 528-2009
3	体积电阻率 ( $\Omega \cdot \text{cm}$ ) Volume resistivity ( $\Omega \cdot \text{cm}$ )	$\geq 1 \times 10^{10}$	GB/T 1692-2008
4	介电常数 Dielectric constant	15~30	GB/T 1693-2007
5	自粘性 (24h) Self-adhesive (24h)	无松脱 unloose	JB/T 6464-2006
6	耐热应力开裂 (130°C) Heatresistant Stresscracking (130°C)	不开裂 non-cracking	JB/T 6464-2006



### Flame-retardant Self-fusing Silicone Rubber Tape

#### Excellent insulation performance

Insulation protection



#### Tensile rebound is good

Peel off the isolating material and stretch it by 10%~100%.



#### Self-fusing

The head and tail circle are completely overlapped and wound, and the last circle is not stretched. Press to accelerate self-fusion



#### Aging resistance, ozone resistance, UV resistance

Physical protection



#### multicolored

Red、green、yellow...color can be customized.



#### Antiflaming

Oxygen index $\geq$ 34%

## FHD-77 Flame-retardant Electric Arc Proofing Tape

### Product Specification

0.75mm\*60mm\*5m

### Fireproof principle

- ✓ It will not be burning and expanding fire.
- ✓ The resulting carbonized layer acts as a barrier to prevent the spread of fire and fire protection.



### Product Characteristics

- ✓ Arc resistance
- ✓ UV resistant
- ✓ UV degree: FV-0
- ✓ Good fire resistance
- ✓ Oxygen index:  $\geq 32\%$
- ✓ Non-self-adhesive, removable, recyclable



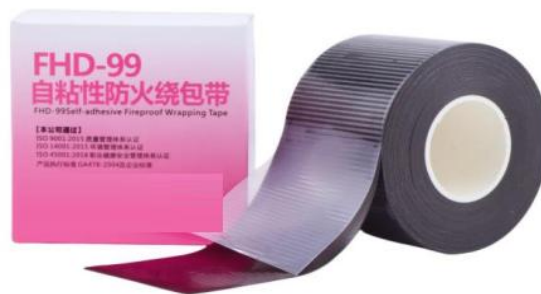
## FHD-99 Anti-fire Wrapping Tape

### Product Specification

0.7mm\*60mm\*5m

### Fireproof principle

Contact with the flame rapidly expands to form a carbonized layer, preventing the firm from spreading.



### Product Characteristics

- ✓ self-adhesion, good integration, self-fusion, easy installation.
- ✓ Non-toxic, tasteless and pollution-free in use;
- ✓ Good fire resistance
- ✓ Oxygen index:  $\geq 45\%$
- ✓ The cable carrying capacity is not affected.

### Application



## Polyurethane waterproof flame retardant coating

### Product Characteristics

- High solid content, good adhesion
- Acid, alkali, salt and other chemical corrosion resistance.
- Excellent waterproof and insulation properties
- Excellent flame retardant property.
- Good resistance to hot and cold shock.



### Product Introduction

FT-200 polyurethane waterproof and flame retardant coatings are specially designed for electrical insulation protection of various metal substrates, providing continuous insulation protection for metal substrates under a variety of harsh corrosion conditions. It is divided into Bi-components: base material and curing agent. It has high reactivity and can realize room temperature curing. This reduces energy consumption and eliminates the need to invest in heating equipment. The FT-200 polyurethane waterproof and flame retardant coating has the advantages of brush coating and other flexible and efficient construction methods to provide long-term insulation protection for a variety of complex metal structures, and can meet different insulation requirements through different coating thickness.



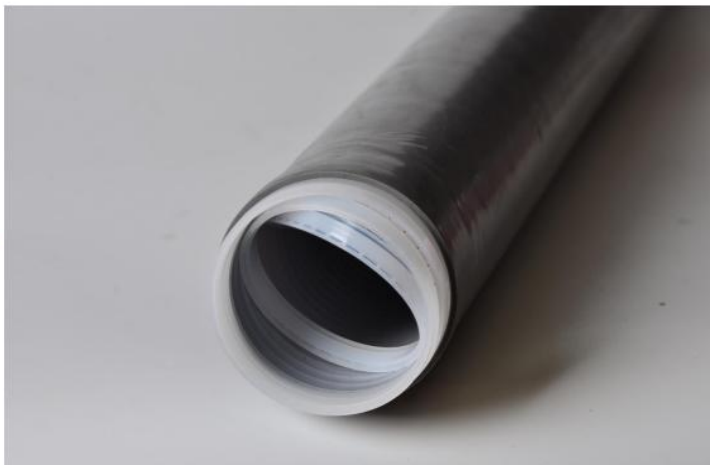
## Cold shrink tube

### Silicone rubber cold shrinkable tube for electric power

Pre-  
expansion



After  
expansion



#### Usage

- 1、 Route the bundle cable through the cold shrink tube.
- 2、 Hold the cable and cold-shrink tube material with one hand, and gently pull the white annular support strip with the other hand to quickly shrink and completely cover the protected area.



## Cold shrink tube

### Silicone/EPDM rubber cold shrinkable tube for communication



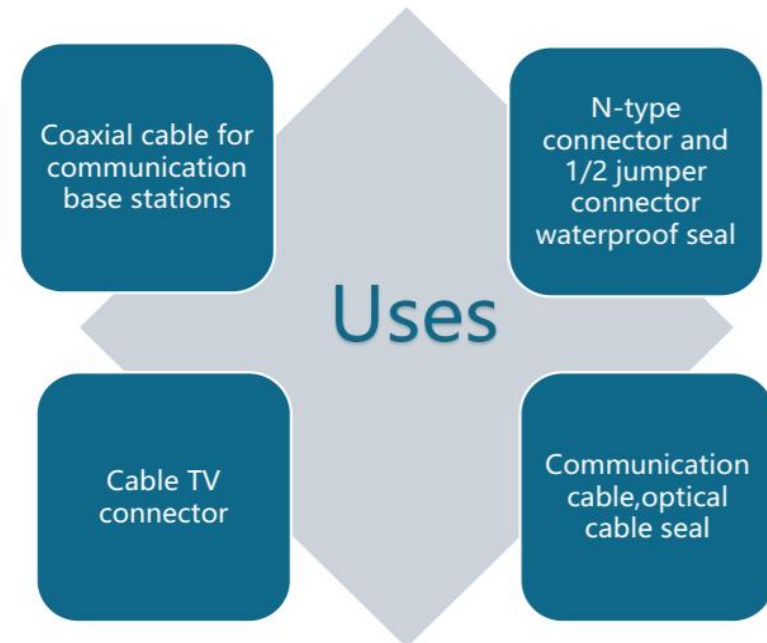
Ordinary  
type



With  
cement

#### Product Characteristics

- 1、 Easy installation
- 2、 Suitable for a wide range of different specifications of cable connection and sealing.
- 3、 Large shrinkage force.





# FSD-77

## FSD-77 Composite Waterseal Mastic Tape

### Product Specification

1.65mm\*50mm\*3m

### Product Characteristics

waterproof and moisture-proof,  
insulated enclosure;  
anti-high and low temperature (-40℃ ~ 90℃) ;  
good fusion,easy to wrap;  
Acid,alkali,salt and other chemical corrosion resistance.



### Product Usage

1

Insulation  
restoration and  
waterproofing  
of power cables

2

Waterproof  
seal of  
terminal and  
intermediate  
joints

3

Overhead  
insulated wires  
are waterproof  
insulated with  
connection and  
branch wire clips

4

Waterproof  
insulation of  
submersible  
electrical  
cable joints

5

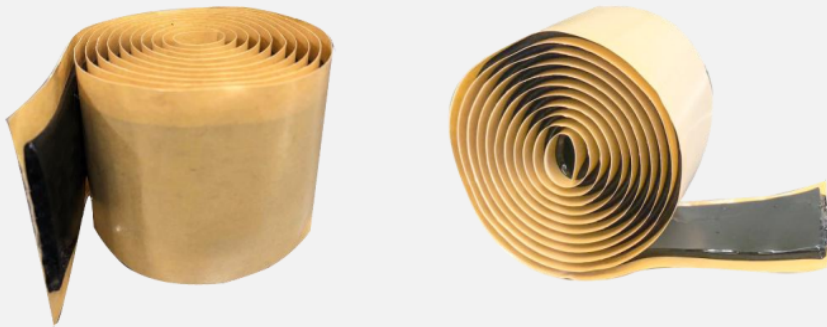
Railway tunnel  
and subway  
cable,optical  
cable,  
communication  
cable connection

6

City square  
fountain,street  
light cable  
connection

### Waterproof Mastic Rubber Tape

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#### Product Usage:

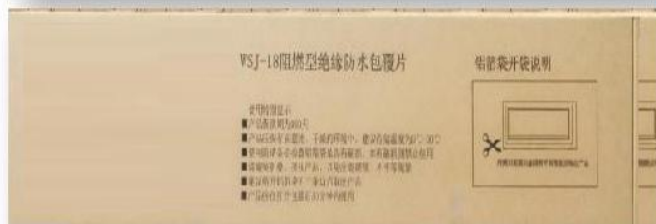
Waterproof and seal of all electrical equipment or cables.

Suitable for underwater or buried in the ground and other harsh environment.



# WSJ-18

## WSJ-18 Flame-retardant and Waterproof Self-curing Protective Sheet



1. Moisture curing at room temperature
2. Strip sheet, easy to construct
3. VOC content is 0, non-toxic to the environment and human body
4. Heat resistance and aging resistance
5. flexibility、 adhesive adhesion
6. Flame retardant class: UL94 V-1
7. The origin state is soft,can be shaped arbitrarily.

“Designed for insulation protection of bare electrical connection points in 10kv overhead bare wire and insulated line

# Instructions

Wear appropriate plastic protective gloves during instruct.

1. Cut aluminum foil vacuum bag from three sides.



3. The surface of the release film is exposed to the coating (overhead line) and applied.



5. The coated material (overhead line) is rolled with the sheet.



7. The gap joint between two coating sheet should be  $\geq 5\text{mm}$ .



2. Uncover the release film covering one side of the sheet



4. Gradually remove the release film on the other side, and roll the uncovered coating sheet onto the coated material (overhead line).



6. Spread the coating sheet evenly across the film, and finally peel off the release film.



The coating sheet is plastic and can be properly compacted by hand during construction.



# Application



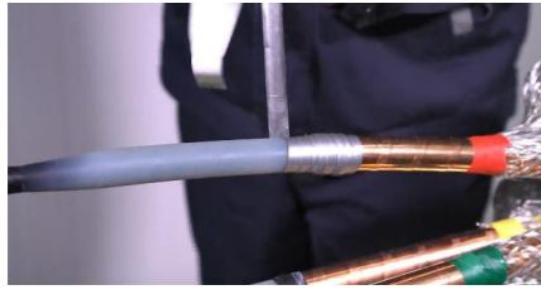


## Actual Application





## Actual Application





## Actual Application



Models: 10kV three-core, 35kV three-core.

They are used for the installation of the injection-molded waterproof intermediate joints of cross-linked cables, including the sealing treatment of the injection-molded waterproof intermediate joints, the injection tools and the matching flame-retardant casting resins.

## Usage



## Application



# Casting Resin

## Polyurethane Casting Resin



EICR-8012 potting glue  
for power cables and  
accessories



EICR-8013 potting  
adhesive



EICR-8016 Strong flame-  
retardant casting resin for  
power cables and accessories



ZR-A17  
flame-retardant casting  
resin

It is mainly used for pouring and filling in the terminals and joints of 500KV and below crosslinked polyethylene and oil-soaked paper insulated power cables, mining and communication cables.

It plays the role of insulation, waterproof, sealing and strong flame retardant.



# Casting resin

## EICR-8012 Potting Compound

Component A: milky white or light yellow

Component B: Curing agent、brown

After curing: light yellow



### Product Characteristics

- Strong adhesion, good extensibility, high tensile strength
- Good electrical properties and insulation properties after curing
- Good weather resistance, reliable waterproof performance
- Good flame retardant property
- oxygen index:  $\geq 28\%$
- Environmental protection, non-toxic

## EICR-8013 Cold Patching Sealing Compound

Component A: milky white or light yellow

Component B: Curing agent、brown

After curing: light yellow



### Product Characteristics

- Low volatility at room temperature, good castability, no harmful gas will be released during pouring.
- Liquid construction, curing at room temperature, easy to operate, short time limit.
- Strong adhesion, good extensibility, high tensile strength.
- High solid content, stable performance, good weather resistance, reliable waterproof performance.
- This product has good adhesion with cable material.
- This product has excellent electrical performance after curing, and be widely used in cables and accessories.
- This product has excellent flame retardant performance, flame retardant grade reaches V-0 level.

# Casting resin

## EICR-8016 Strong Flame-retardant Casting Resin for Power Cables and Accessories

Component A: milky white or light yellow

Component B: Curing agent、brown

After curing: light yellow



### Product Characteristics

- Strong adhesion, good extensibility, high tensile strength
- Good electrical properties and insulation properties after curing
- Good weather resistance, reliable waterproof performance
- Good flame retardant property
- oxygen index:  $\geq 32\%$
- Environmental protection, non-toxic



# casting resin

## ZR-A17 Flame-retardant Casting resin

Component A: milky white or light yellow

Component B: Curing agent、brown

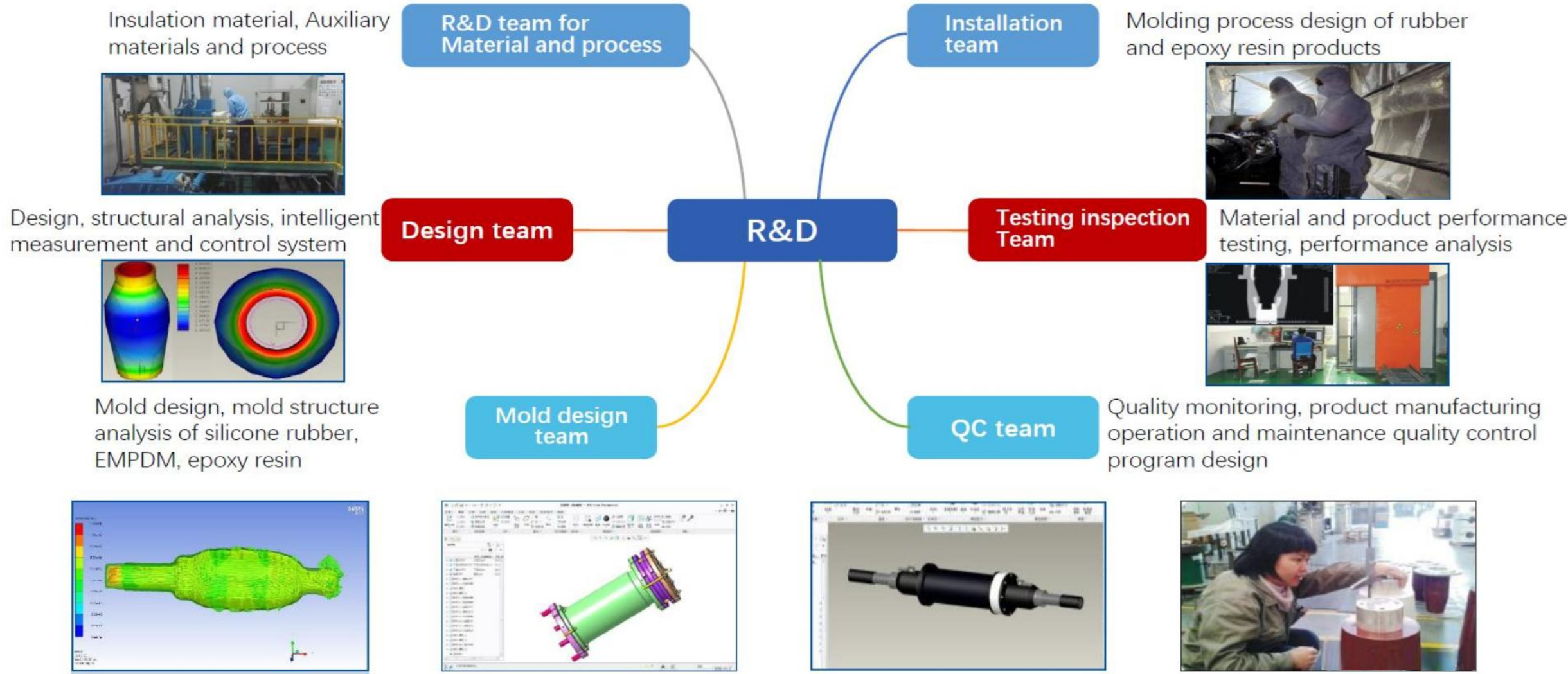
After curing: light yellow



### Product Characteristics

- Strong adhesion, good extensibility, high tensile strength
- Good electrical properties and insulation properties after curing
- Good weather resistance, reliable waterproof performance
- Good flame retardant property
- oxygen index:  $\geq 35\%$
- Environmental protection, non-toxic

## R&D Engineers





## Advanced Testing



1600kV series resonance equipment



4800kV impulse voltage generator



$\pm 2000\text{kV}$  DC complete set of experimental equipment



800kV series resonance equipment



$\pm 1200\text{kV}$  DC complete set of experimental equipment



230kV cable and accessories test circuit

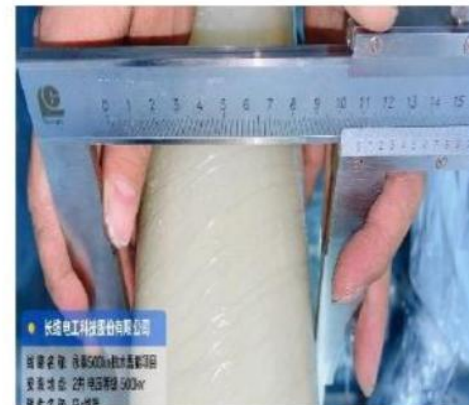


500kV cable and accessories test circuit





# Installation



We have an installation team of more than 380 people, equipped with 47 installation engineering vehicles, and has fast and efficient installation service guarantee capabilities. Install more than 9,000 sets of high-voltage cable accessories every year, and reach the service site within 24 hours in the province and 48 hours in China. In addition, the company introduced the installation site management module to realize the strict review and recording of the whole installation process, especially the important links, through the mobile phone; the whole process of the installation site was videotaped, and the comprehensive on-site control ensure the quality of on-site installation and after-sales service.



# Global Project

## New energy



**Anda Shengping photovoltaic power station project in Heilongjiang Province**



**Tianrun Yancheng Dafeng Wind Farm project**



**Yunnan Qiaojia County Xinchanggou Haiba wind farm project**



**Henan Nangong photovoltaic power station project**



**Yunnan 49.5MW Qiaojia Dalai Shishan Wind Farm project**



**Anhui Suzhou 48.3MW Xiangshan Wind Farm Project**



**Yunnan International Dajipo (Phase III) 144MW wind power plant project**



**Qujing City, Yunnan Province Huaneng Fuyuan Guangliangzi Wind Power (Phase II) project**



## Global Project



**Chihu - Shilong 110kV cable project**



**Linqi 110kV substation, Anyang, Henan**



**Hubei Wuhan Taojialing 220kV power transmission and transformation project**



**Hunan Xueshi - Tianding double section into Longwang line project**



**Guangzhou 220kV Yongfu Power transmission and transformation project**



**Zhuhai 220kV Fengji Line power transfer project**



**Zhaojialiu 220kV traction station power line project**



**Malutang Power Plant, Wenshan City, Yunnan Province Phase II 220kV cable project**



## Global Project



Quanzhou Fuxia DK170-880 220kV Luo Xin One And Two Road Project



Inner Mongolia Baotou Aluminum Plant three series high-tech double line 220kV cable project



220kV cable project Huarun Thermal Power Plant in Nanjing, Jiangsu Province



Liaoning Fuxin wind power 220kV cable project



Nanjing Hualian thermal Power Plant 220kV cable





# Global Project

## Railway



Harbin passenger special Changchun West Station cable project



Lianyungang Substation of Qinglian Railway



Beijing-Kowloon Railway Electrification transformation project



Beijing-kowloon Railway Taimei traction Station 27.5kV station inside line project



Guangzhou Metro Line 3 project



27.5kV Kunming Hub Project



27.5kV Shanghai-kunming high-speed Railway



Guangzhou Wu-Guang Railway 220kV cable project



## Global Project



Nov, 2014 ,  
**Bangladesh** project



Jan, 2015  
**Iraq**, Huasid Power Plant



July, 2016  
**Angola** project



## Global Project



2017  
CHILE PROJECT



## Global Project



May, 2017  
Ethiopia project

## Global Project



**2025 Malaysia**  
**275KV Cable Project**



**2025 Bangladesh**  
**275KV Cable Project**







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THANKS**

**TO EXPLORE THE WORLD PROJECTS WITH YOU**