



# Technical DATA



## Jacobs 27 PVC Electrical Insulation Tape

PVC electrical tape is composed of soft PVC film, coated with rubber adhesive, it can be used all weather, has good flame retardant; And it has good elastic, good conformable, and good resistance to high voltage. It applies to insulation protection of electrical wires and cable joints with voltage up to 600V and temperature up to 80°C.

### 01 Application range

- Insulation for electrical wires and cable joints below 600V
- Protection for jackets of high voltage wires and cables
- Wrapping wires and cables, Color coding
- Insulation protection for wire connection of electric devices indoors and outdoors
- DIY-Protecting and fixing tools

### 02 Product Features

- Soft, good conformable
- Good flame retardant
- High elasticity, good compatibility and strong adhesion
- Excellent electrical insulation performance
- All weather

### 03 Instructions

1. Clean the dust and dirt on the cables
2. Wrap the tape on the object with half-overlap layer
3. Elongate the tape while wrapping on the key position
4. Apply final overwrap with zero stretch, 100% cover the previous layer. After installation, press the tape to avoid tape curling

### 04 Technical Parameters

Type	Product Code	Material	Thickness (mm)	Adhesive Force (N/cm)	Tensile Strength (N/cm)	Elongation (%)	Temperature (°C)	Dielectric Strength (KV/mm)
Non Flame Retardant	100D	PVC	0.10	1.5	14	160	80	≥40
	110D	PVC	0.11	1.5	15	160	80	≥40
	130D	PVC	0.13	1.5	17	160	80	≥40
	150D	PVC	0.15	1.5	22	200	80	≥40
	165D	PVC	0.165	1.5	25	200	80	≥40
	180D	PVC	0.18	1.5	28	200	80	≥40
	190D	PVC	0.19	1.5	28	200	80	≥40
	200D	PVC	0.20	1.5	30	220	80	≥40
Flame Retardant	100Z	PVC	0.10	1.5	14	160	80	≥40
	110Z	PVC	0.11	1.5	15	160	80	≥40
	130Z	PVC	0.13	1.5	17	160	80	≥40
	150Z	PVC	0.15	1.5	22	200	80	≥40
	165Z	PVC	0.165	1.5	25	200	80	≥40
	180Z	PVC	0.18	1.5	28	200	80	≥40
	190Z	PVC	0.19	1.5	28	200	80	≥40
	200Z	PVC	0.20	1.5	30	220	80	≥40

The above data is typical value, should not be regarded as actual specifications.  
Standard Size Length: 10m,20m Width: 19mm Paper Core: 32mm,38mm  
Surface: Matte or Glossy