

## HCIT Bus bar Insulation Heat Shrinkable Tape

**Voltage Class 1kV~36kV ideal for emergency repair of electrical power system**

Heat Shrinkable tape with low melting point adhesive layer for wrap a round repair. Usually applied by enwind around the electrified object with half of taps overlapping previous turn The tape , when heated , shrink around the substrate while hot melt adhesive fill the gaps and fusion with the tape to form into a one piece insulation



### Applications

- ◆Emergency repair of electrical system
- ◆Insulation and protect of odd-shaped electrified objects, where tubal/sleeve shaped insulation materials are not applicable
- ◆Reduce space allowance between phase to phase bus bar

### Features/Benefits

- ◆Low melting point high polymer adhesive layer for easy installation
- ◆Conform to irregular shaped objects where tubal/sleeve jacket. Insulation material is not applicable
- ◆Compatible with most other insulation material



### Temperature Range

- ◆Operating Temperature: -40°C~105°C◆Shrink Temperature: 125°C

**Color:** Black, Red, Yellow, Blue

### Technical details

Test item	Test Method	Typical Data
Flammability	ASTM D2863	Oxygen index $\geq$ 30
Water absorption	ASTM D570	$\leq$ 0.1%
Corrosion (temperature 23°C, humidity 95% for 4hours)	ASTM D2671	pass
Low temperature flexibility (-40°C for 4hours)	ASTM D2671	Pass
Tensile strength	ASTM D2671	$\geq$ 14.0mpa
Ultimate elongation	ASTM D2671	$\geq$ 400%
Aging test (168°C for 7days)	ASTM D2671	80% of before aging
Break down strength	ASTM D2671	27~30kV/mm
Electric	GB311	75kv/10times
Current	GB2706-89	31.5kA
Current	GB2706-89	80.0kA, peak
Volume resistivity	ASTM D2671	$10^{14}\Omega\cdot\text{cm}$
Dielectric constant	GB1049	2.5—3.5

### Dimensions:

Size	Volt class/KV	End product Tape Thickness	Tape Width/mm	Standard Packing (M/Roll)
HCIT01	6-15	0.8-1mm	50	5
HCIT02	24-36	1.5-1.8mm	50	5