

**Typical Application**

HVBT is a heat-shrinkable, adhesive-coated tape which provides insulation enhancement and protection against accidentally induced discharge.

Upon application of heat the tape shrinks down and the adhesive lining melts, amalgamating the overlapping layer together producing a complete lap to lap seal.

A single layer of HVBT tape, two-thirds overlapped, will provide flashover protection to 17.5 kV increasing to 25 kV if a second layer is applied.

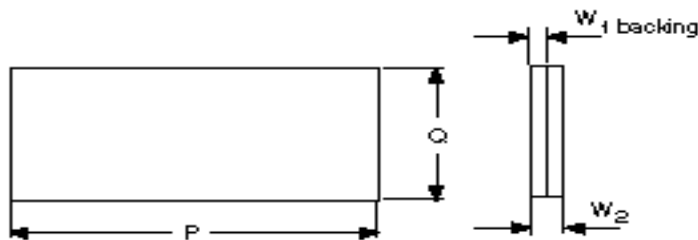
Although HVBT tape will stick to itself and other insulating materials it will not adhere to metal or porcelain allowing easy removal for maintenance.

It can be used for indoor and outdoor applications and is easily installed over a wide variety of shapes including complex connections.

**Color :**

**Backing = Red**

**Adhesive = Red**



**Standard Products and Dimensions**

Product Size	Equivalent American size	Dimensions Q a min	W1 a min	b min	W2 b min	P m/spool	American ft/spool
HVBT-12-A	HVBT-1-R	25	0.38	0.56	0.86	10	25
HVBT-14-A	HVBT-2-R	50	0.38	0.56	0.86	10	25
HVBT-14-A-5M	HVBT-2-R	50	0.38	0.56	0.86	5	17
HVBT-15-A	-	75	0.38	0.56	0.86	10	
HVBT-16-A	HVBT-4-R	100	0.38	0.56	0.86	10	25

**Notes:**

1. Dimensions in mm.

a = as supplied,

b = after free recovery

2. Max. longitudinal change after free recovery: -40%

3. Material meets the requirements of PPS 3010/33.

4. Adhesive meets requirements of PPS 3012/43.

Rectangular busbars width (mm)	Recommended Product	HVBT length needed per meter of busbar	Round busbars diameter (mm)	Recommended Product	HVBT length needed per meter of busbar
25	HVBT-12-A	10	12	HVBT-12-A	5
50	HVBT-14-A	7.6	25	HVBT-14-A	5
75	HVBT-14-A	11.4	50	HVBT-14-A	10
100	HVBT-14-A	15.6	75	HVBT-14-A	16.7
150	HVBT-14-A	25	100	HVBT-16-A	20
200	HVBT-16-A	15.6			

**Clearance reduction**

The table below indicates the clearance reductions which are possible using HVBT tape.

These are derived from BIL,

AC withstand, DC withstand and discharge extinction tests. These clearances should not be adopted without testing by the user. Sharp electrodes and unusual geometries may require wider clearances.

Rated voltage (kV)	Phase - phase (mm)	Phase - ground (mm)	IEC 71-2 air clearance (mm)
<b>Round busbars</b>			
12	55	65	120
17.5	70	85	160
24	95	125	220
36	150	205	320
<b>Rectangular busbars</b>			
12	65	75	120
17.5	85	104	160
24	115	150	220
36	200	285	320

**Packaging** HVBT is packed together with EPP 0619 installation instruction in a cardboard box and labeled with Quantity, Description and Batch number, as follows:

HVBT-1-R (B8):	8 roll per box
HVBT-2-R (B4):	4 roll per box
HVBT-4-R (B2):	2 roll per box