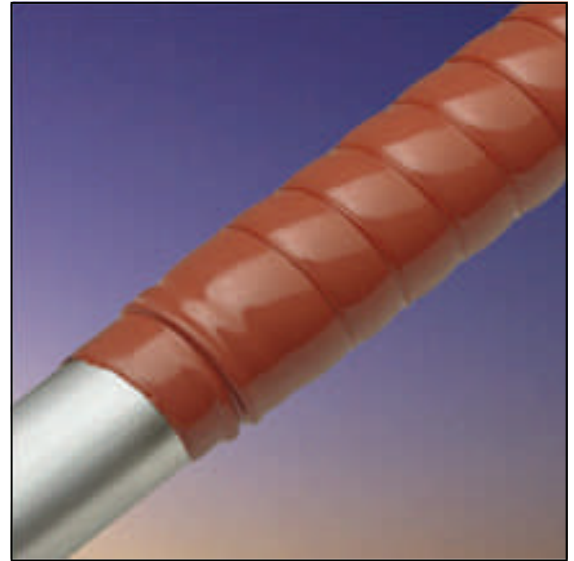
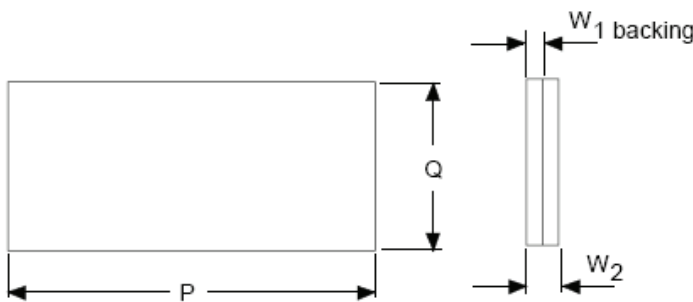


RAYCHEM HVBT - HIGH VOLTAGE BUSBAR
INSULATING TAPE - HEAT SHRINKABLE
Voltage class 25KV

HVBT is designed to give the integrity of heat shrinkable tubing with the versatility of a wraparound product. When HVBT is wrapped onto a substrate and shrunk down by the application of heat, a complete lap to lap seal is produced as the specially formulated adhesive layer melts and amalgamates the overlapping layers of the tape together thus making HVBT tape in effect a wraparound tube. A single layer of HVBT tape, two-thirds overlapped, will provide AC voltage withstand (flashover protection) to at least 17.5 kV increasing to 25 kV if a second layer is applied.



STANDARD PRODUCTS AND DIMENSIONS						
SELECTION GUIDE						
Part No.	Q min	W1	W2	Rectangular Bar Width	Round Bar Diameter	UOM: Roll P length (m)
HVBT-12-A	25mm	.38mm	.86mm	25mm	12mm	10
HVBT-14-A	50mm	.38mm	.86mm	50mm - 100mm	25mm - 50mm	10
HVBT-15-A	75mm	.38mm	.86mm	100mm - 150mm	50mm - 75mm	10
HVBT-16-A	100mm	.38mm	.86mm	150mm - 200mm	75mm - 100mm	10

Clearance reduction

The table adjacent 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)
Round busbars			
12	30	40	120
17.5	45	60	160
24	60	90	220
36	100	160	320
Rectangular busbars			
12	35	45	120
17.5	55	65	160
24	70	100	220
36	140	190	320