

## BH-BBT-1KV

### 1KV heat shrink bus bar tubing

#### Features/Applications:

BH-BBT-1KV 1KV heat shrink bus bar tubing provides high resistance to tracking and arching and used to enhance the insulation properties of bus bar in switchgear and substation. Be suit to the trend of smaller switch cabinets. Be applied in bus duct for insulation among buses.

- Electric stress relief;
- Shrink ratio: 2:1;
- Minimum shrink temperature: 85℃;
- Minimum fully recovery temperature: 130℃
- Color: Red, Green, Yellow, Black



### Technical Data

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	≥10.4MPa
Tensile strength after aging	ASTM D 2671/120℃, 168hrs.	≥7.3MPa
Longitudinal shrinkage	ASTM D 2671	0 to -10%
Elongation at break	ASTM D 2671	≥300%
Elongation at break after aging	ASTM D 2671/120℃, 168hrs.	≥100%
Dielectric strength	IEC 243	≥20KV/mm
Dielectric constant	IEC 250	3.0(max.)
Volume resistance	IEC 93	≥10 <sup>14</sup> Ω.cm
Flammability(Oxygen Index )	IEC 4589	≥25
Copper corrosion	ASTM D 2671	120℃, 168hrs ,no corrosion
Cold bend	ASTM D 2671	-40℃, 4hrs , no cracking
Water absorption	ISO 62/23℃, 14 days	<0.5%

### Product Dimensions (mm)

Model	Application Bus Bar (Square/Round)	As supplied (mm)		After recovery (mm)		Packing M/Roll
		I.D	W.T	I.D	W.T	
BH-BBT-1kV 30	30	31.5±1.0	0.5±0.15	≤15.0	1.00±0.15	50
BH-BBT-1kV 35	35	36.5±1.0	0.5±0.15	≤17.5	1.00±0.15	50
BH-BBT-1kV 40	40	41.5±1.0	0.55±0.15	≤20.0	1.00±0.15	50
BH-BBT-1kV 45	45	46.5±1.0	0.55±0.15	≤22.5	1.00±0.15	25
BH-BBT-1kV 50	50	≥50	0.55±0.15	≤25.0	1.10±0.15	25
BH-BBT-1kV 60	60	≥60	0.60±0.15	≤30.0	1.20±0.15	25
BH-BBT-1kV 70	70	≥70	0.65±0.15	≤35.0	1.30±0.20	25
BH-BBT-1kV 75	75	≥75	0.65±0.15	≤38.0	1.30±0.20	25
BH-BBT-1kV 80	80/100	≥80	0.65±0.15	≤40.0	1.30±0.20	25
BH-BBT-1kV 85	80/100	≥85	0.65±0.15	≤43.0	1.30±0.20	25
BH-BBT-1kV 90	100	≥90	0.65±0.15	≤45.0	1.30±0.20	25
BH-BBT-1kV 100	100/120	≥100	0.65±0.20	≤50.0	1.30±0.20	25
BH-BBT-1kV 120	150	≥120	0.65±0.20	≤60.0	1.30±0.20	25
BH-BBT-1kV 150	180	≥150	0.65±0.20	≤70.0	1.30±0.20	25
BH-BBT-1kV 180	MAX	≥180	0.65±0.30	≤90.0	1.30±0.30	25
BH-BBT-1kV 210	MAX	≥210	0.65±0.30	≤105.0	1.30±0.30	25
BH-BBT-1kV 230	MAX	≥230	0.65±0.30	≤115.0	1.30±0.30	25
BH-BBT-1kV 250	MAX	≥250	0.65±0.30	≤125.0	1.30±0.30	25