

## **RAYCHEM BPTM (25kV)/ BBIT (36kV) - HIGH VOLTAGE PROTECTION TUBING - HEAT SHRINKABLE**

New designs of switchgear for voltages up to 36kV follow the principle of reducing size as much as possible. Insulated busbars are necessary to provide maximum protection, particularly in confined spaces, against flashover and accidentally induced discharge. Choosing the right busbar insulation can be difficult.

To solve the problem, Raychem has developed a series of heat shrinkable tubing's in the Raysulate product line, for use on both aluminium and copper busbars of circular and rectangular cross section. BPTM medium wall and BBIT thick wall tubing's are highly flexible and have been installed on a wide range of curved and bent busbars without cracking or creasing. Manufactured from a radiation cross-linked highly modified ethylene-propylene, they will not drip or flow at elevated temperatures and offer exceptional insulation and long term reliability, even at high continuous operating temperatures. The material's non-halogen base results in excellent performance in high voltage applications and greatly reduces noxious and corrosive effects in a fire situation.

BPTM and BBIT tubing can easily be installed in factories in large scale production using a hot air oven or on site using a simple electricians torch or hot air device. On application of heat in excess of 125° Celsius the tubing shrinks on to the busbar, closely conforming to the busbar profile and ensuring that the required minimum wall thickness is always obtained.



**Ordering Code Detail - As per the Part Description below E.G BBIT 65/25-A/U will order a 15M Spool of this product**

Catalogue Number	L + t Range (mm)	Circular Diameter Range(mm)	d (min) expanded as supplied(mm)	d (max) recovered after heating (mm)	W (nom) fully recovered wall thickness (mm)	Spool length (m)
BPTM 15/6-A/U	12 - 18	6.5 - 12	15	6	2.0	30
BPTM 30/12-A/U	22 - 38	13.5 - 25	30	12	2.3	30
BPTM 50/20-A/U	36 - 65	22 - 43	50	20	2.5	30
BPTM 75/30-A/U	55 - 95	33 - 63	75	30	2.5	30
BPTM 100/40-A/U	70 - 130	44 - 86	100	40	2.5	25
BPTM 120/50-A/U	90 - 165	55 - 105	120	50	3.0	25
BPTM 175/70-A/U	125 - 235	80 - 150	175	70	2.8	15
BBIT 25/10-A/U	17 - 28	11 - 20	25	10	4.0	30
BBIT 40/16-A/U	28 - 45	18 - 32	40	16	4.0	30
BBIT 65/25-A/U	44 - 67	28 - 47	65	25	4.0	15
BBIT 100/40-A/U	69 - 102	44 - 72	100	40	4.0	15
BBIT 150/60-A.U	102 - 148	65 - 105	150	60	4.0	15