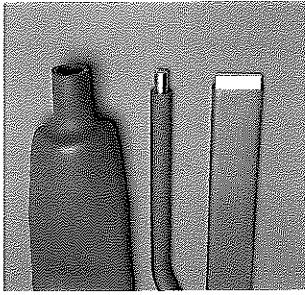


# Bus Insulation & Wildlife Protection



## BBIT/BPTM

### Raysulate Busbar Insulating Tubing (5-35 kV)\*

#### BBIT (5-35 kV)

Heavy-wall tubing for use on straight or bent bars where maximum clearance reduction or 35 kV insulation is required.

#### BPTM (5-25 kV)

Medium-wall tubing for use on straight or bent bars where some clearance reduction or 25 kV insulation is required. These heat-shrinkable tubes for straight and bent busbars are extremely flexible, allowing them to be easily positioned on busbars and quickly installed using a gas torch or oven. They have a high expansion ratio, so each size of tubing fits a range of busbar sizes. Both BBIT and BPTM tubing are ideal for original equipment assembly, and for retrofit applications where access to one end is available.

BBIT and BPTM tubings are also ideal for protection against accidental bridging caused by birds and animals.

#### Selection Information: dimensions in inches (millimeters)

#### BBIT Tubing

Catalog Number	Busbar dimensions			Diameter as Supplied and Fully Recovered
	Rectangular Bar** (bus width)	Square Bar (each side)	Round Bar (diameter min.-max.)	
<b>BBIT (5-35 kV)*</b>				
BBIT-25/10-A/U	0.5 (12)		0.50-0.70 (12-18)	0.98-0.39 (25-10)
BBIT-40/16-A/U	1.0 (25)		0.70-1.10 (18-28)	1.57-0.63 (40-16)
BBIT-65/25-A/U	2.0 (50)	1.0 (25)	1.10-1.55 (28-40)	2.56-0.98 (65-25)
BBIT-100/40-A/U	3.0 (75)	2.0 (50)	1.75-2.45 (44-62)	3.94-1.57 (100-40)
BBIT-150/60-A/U	4.0 (100)	3.0 (75)	2.60-3.60 (66-91)	5.91-2.36 (150-60)
BBIT-175/80-A/U	5.0-6.0 (125-150)	4.0 (100)	3.45-4.75 (88-121)	6.89-3.15 (175-80)

#### BPTM Tubing

Catalog Number	5-15 kV		25 kV		5-15 kV		25 kV		Diameter as Supplied and Fully Recovered
	5-15 kV	25 kV	5-15 kV	25 kV	5-15 kV	25 kV	5-15 kV	25 kV	
<b>BPTM (5-25 kV)*</b>									
BPTM-15/6-A/U	N/A	N/A	N/A	N/A	0.26-0.52 (7-13)	0.26-0.30 (7-8)	0.59-0.24 (15-6)		
BPTM-30/12-A/U	25-0.5 (12)		0.5 (12)	0.5 (12)	0.53-0.90 (14-23)	0.53-0.65 (14-16)	1.18-0.47 (30-12)		
BPTM-50/20-A/U	1.0 (25)	1.0 (25)	1.0 (25)	N/A	0.90-1.35 (23-33)	0.90-1.10 (23-28)	1.97-0.79 (50-20)		
BPTM-75/30-A/U	2.0 (50)	2.0 (50)	1.5 (38)	1.0 (25)	1.30-2.00 (33-51)	1.30-1.65 (33-42)	2.95-1.18 (75-30)		
BPTM-100/40-A/U	3.0 (75)	3.0 (75)	2.0 (50)	1.5 (38)	1.75-2.75 (44-70)	1.75-2.30 (44-58)	3.94-1.57 (100-40)		
BPTM-120/50-A/U	4.0-5.0 (100-127)	4.0 (100)	3.0 (75)	2.0 (50)	2.15-4.00 (55-102)	2.15-3.20 (55-81)	4.72-1.97 (120-50)		
BPTM-175/70-A/U	6.0-7.0 (150-178)	5.0-6.0 (127-150)	4.0 (100)	3.0 (75)	3.20-5.50 (81-140)	3.20-4.40 (81-112)	6.88-2.75 (175-70)		
BPTM-205/110-A/U	8.0 (200)	8.0 (200)	5.0 (127)	4.0 (100)	4.75-7.00 (120-178)	4.75-6.80 (120-174)	8.07-4.33 (205-110)		
BPTM-235/130-A/U	12 (300)	10 (250)	6.0 (150)	6.0 (150)	5.70-8.45 (145-215)	5.70-8.07 (145-205)	9.25-5.12 (235-130)		

#### Ordering Information

- Select the appropriate catalog number. Confirm selection with bus dimensions.
- \*2. These products may be suitable for applications with higher voltages than those listed. Please contact your Tyco Electronics representative for more information.
- Rectangular bus thickness range is 1/4 to 5/8 inch.
- Bolted connections require two layers of tubing or a fiber bolt pad.
- To environmentally seal the bus at each end of the BBIT tubing, order S-1251-50-300-1 or S-1251-25-300-4 sealant strip separately.
- Standard package:  
BBIT-25/10-A/U: 65'/box  
BBIT-40/16-A/U: 60'/box  
BBIT-65/25 A/U: 50'/box  
BBIT-100/40: 50'/box  
BBIT and BPTM are also available in bulk spooled quantities.
- Related test reports:  
BBIT-UVR-8136  
UVR-8137  
BPTM-UVR-8019
- Minimum continuous length is 15 feet (4.5 meters).