

# Heat Shrinkable Busbar Insulation Tubing

## ABTM - Medium Wall ABTH - Heavy/Thick Wall



### Technical Data

Properties	Test Method	Typical Values
Fluid Resistance	MIL-DTL-23053-4	Pass
Tensile (MPa)	ASTM D 2671 ( $\geq 10$ MPa)	$\geq 14$
Elongation (%)	ASTM D 2671 ( $\geq 300\%$ )	$\geq 600$
Longitudinal Shrinkage (%)	ASTM D 2671 (0 - 10%)	5
Heat aging: Tensile (MPa) : Elongation (%)	120°C, 168 hrs (Remain 70%) (Min 100%)	> 14 574
Low Temperature Properties	ASTM D 2671 (-40°C, 4 hrs)	No Cracking
Water Absorption (%)	IEC 60684-2 (25°C, 24hrs)	< 0.3
Copper corrosion	UL 224	No Corrosion
Flammability (Oxygen Index)	IEC 4589 ( $\geq 25$ )	26
Dielectric Strength (kV/mm)	IEC 243	$\geq 18$
Dielectric Constant	IEC 250	$\leq 3.5$
Volume Resistance ( $\Omega \cdot \text{cm}$ )	IEC 93	$\geq 10^{14}$
Heat Shock	ASTM D 2671	No cracking, flowing, dripping
Density ( $\text{g}/\text{cm}^3$ )	IEC 60684-2	1.3
Corrosion Resistance	UL224 (Copper 120°C, 168hrs)	No Corrosion

### Description

ABTM/ABTH is produced from specially formulated radiation cross-linked halogen free compounds and provides a high resistance to tracking and arcing, this enhances the insulation properties of busbars in switchgear and substations.

### Features

- Flexible to ensure ease of installation
- Shrink Ratio 2.5:1
- Excellent tracking resistance & insulation
- Halogen free
- Superior resistance to UV and weather conditions
- Colours - Red
- Minimum fully recovered shrink Temperature, 120°C

### Applications

- Suitable for applications in LV and MV(36kV) switchgear and electrical equipment.

### Dimensions

Product	Inside Diameter (mm)		Wall Thickness (mm)(WT)	Reel Length (m)
	Supplied	Recovered		
<b>Medium Wall (24kV)</b>				
ABTM15/6	15	6	2	30
ABTM30/12	30	12	2.3	30
ABTM40/16	40	16	2.5	30
ABTM50/20	50	20	2.5	15
ABTM65/25	65	25	2.5	15
ABTM75/30	75	30	2.6	15
ABTM100/40	100	40	2.8	15
ABTM120/50	120	50	2.8	15
<b>Thick Wall (36kV)</b>				
ABTH25/10	25	10	4	15
ABTH40/16	40	16	4	15
ABTH65/25	65	25	4	1.5 m length
ABTH75/25	75	25	4	1.5 m length
ABTH95/30	95	30	4	1.5 m length
ABTH125/40	125	40	4.2	1.5 m length
ABTH180/58	180	58	4.2	1.5 m length

