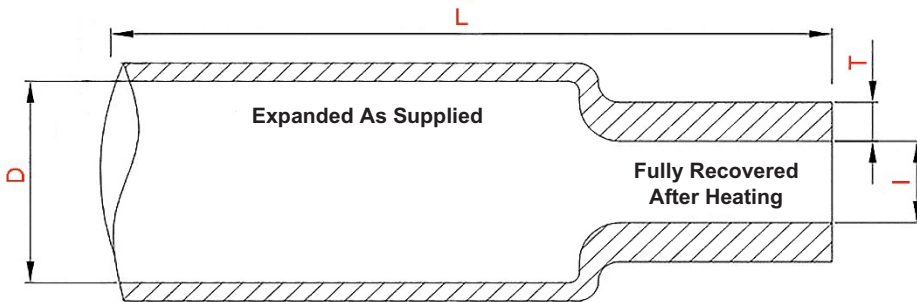


ACBT

KACAB Heat Shrinkable Semi Conductive Tubes (ACBT) are used to reconstruct the electrical cable by providing insulation in medium voltage as integral part of cable joint along with insulating tubes in complementary combination rated up to 36kV and to rebuild the semi conductive layer on power cables.

These tubes are made from thermally stabilized, cross linked, semi conductive polymeric material and have a nominal shrink ratio of 3:1 and an unlimited shelf life when stored at normal warehouse temperatures.



D – Internal Diameter
I – Maximum Internal Diameter
L – Length as per requirement
T – Wall Thickness
E – As Supplied
S – After Free Recovery

*Drawing depicts typical dimensions (Dimensions are all in mm)

PRODUCT DIMENSIONS – RCBT SERIES

PART NO.	D (MM)		T (mm)
	E	S	S
	Min	Max	± 0.2
ACBT 35/12*	35	12	2.80
ACBT 45/15*	45	15	2.80
ACBT 80/22+	80	22	3.00
ACBT 110/35+	110	35	3.50

+ Available in discrete lengths only

* Available in 25 meter spools or discrete lengths

Custom sizes are available on request with minimum volume requirements

MATERIAL SPECIFICATIONS

CHARACTERISTIC	VALUE	TEST METHOD
Physical Properties		
Specific Gravity	1.19 ± 0.2 g/cm ³	ASTMD - 1505
Water Absorption	0.5% (max)	ASTM D – 570
Tensile Strength	≥14 N/sqmm (min)	ASTM D – 412/ISO 37
Ultimate Elongation	500% (min)	ASTM D – 412/ISO 37
Hardness	45 ± 3 Shore D	ASTM D - 2240
Longitudinal Change	±10%	ESI 09 - 13
Shrink Ratio	3 : 1 (Min)	TP / QA / 61
Torching	No Split	TP / QA / 7
Thermal Tests		
Shrink Temperature	120°C	
Heat shock (30 min 200°C)	No cracking/No flow	ESI 09-13
Heat Ageing (500 hrs 120°C)		
Tensile Strength	12 N/mm ² (min)	ASTM D-412/ISO-37
Ultimate Elongation	400% (min)	
Low Temp. Flexibility(- 40°C)	No cracking	ASTM D-2671
Electrical Properties		
Volume Resistivity	1x10 ³ Ohm-cm(max)	ASTM D – 257/IEC 93
Chemical Properties		
Fungus Resistance	1 (max)	ASTM G - 21
Chemical resistance immersion in following liquids NaOH (40%), H ₂ SO ₄ (3%), Toluene acetone for 24 hrs at room temperature	Good (no change in appearance)	ISO 175

We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. KACAB shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.