NON TRACKING
INSULTUBE™

HEAT SHRINK NON TRACKING TUBE

Insultube - Nontracking is used in Medium Voltage Cable Joints and Terminations upto 36 KV. The tubes are produced from high quality non tracking cross linked polyolefin material that offers exceptional insulation and long term service reliability.

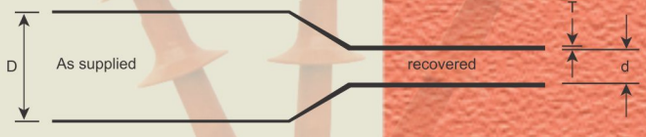
General Properties

- Excellent anti-tracking performance and erosion resistance.
- Halogen free, flame retardant.
- Good weather / UV resistance.
- High resistance to chemical, solvent, corrosion and fungus.
- Customised dimension, thickness, length & colour available on request.

Selection Chart				
Code	**D min. (mm)**	**d max. (mm)**	**T±10% (mm)**	**Spool length (mtr)**
GAT 25/8	25	8	2.5	30
GAT 35/12*	35	12	2.7	30
GAT 45/16*	45	16	3.0	30
GAT 55/20*	55	20	3.0	30
GAT 65/25	65	25	3.0	15
GAT 75/28	75	28	3.0	15
GAT 100/38	100	38	3.0	15

Selection Chart (Heavy Wall)				
Code	**D min. (mm)**	**d max. (mm)**	**T±10% (mm)**	**Length max. (mtr)**
GAT(HW) 25/8	25	8	5	1.5
GAT(HW) 35/12	35	12	5	1.5
GAT(HW) 55/18	55	18	5	1.5
GAT(HW) 65/25	65	25	5	1.5
GAT(HW) 85/30	85	30	5	1.5
GAT(HW) 100/38	100	38	5	1.5
GAT(HW) 120/45	120	45	5	1.5
GAT(HW) 140/50	140	50	5	1.5

Technical Specification		
PROPERTIES	**VALUE**	**STANDARD**
Physical		
Tensile Strength	10 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Longitudinal Change	-10 % (max.)	ASTM D2671
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
Thermal		
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
Tensile Strength	8 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	250 % (min.)	ASTM D638
Low Temperature Flexibility (-40°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40 to +100°C	IEC 216
Electrical		
Dielectric Strength	15 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10^{14} Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150
Resistant to track & erosion	No Tracking, erosion or flame failure upto 3.25 KV for 20 min.	ASTM D2303



Technical Qualification Report : QR 1021