

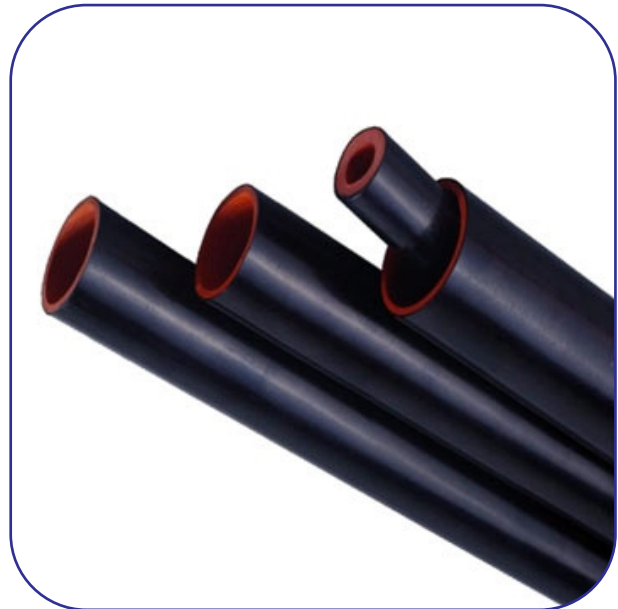
Insultube – Double Layer is manufactured by Heat Shrinkable Insulating material and Heat Shrinkable Semi-Conductive material with special technology for good insulation in its inner layer and good semi-conduction in its outer layer; providing reliable shield protection.

This tubes are made from High Quality Cross-linked Polyolefin material with Co-extrusion Technology.

This tube is used in Power Cable Straight Through Joints for insulating and outer-shielding layer up to 36kV. It can also be used to other places wherever insulation and shielding is required.

Features & benefits:

- Dual wall Conducting / Insulating.
- Excellent Electrical properties.
- Operation Temperature : -40°C to 100°C.
- Minimum Shrink Temperature : 100°C
- Minimum fully Shrink Temperature : 130°C
- Standard Color : Black/Red



Technical Specification

PROPERTIES	INNER INSULATION LAYER	OUTER SEMI-COND. LAYER	STANDARD
	VALUE	VALUE	
Physical			
Tensile Strength	12 Mpa (N/mm ²) (min.)	12 Mpa (N/mm ²) (min.)	ASTM D638
Ultimate Elongation	300 % (min)	300 % (min)	ASTM D638
Longitudinal Change	-10% (max.)	-10% (max.)	ASTM D2671
Hardness	50 ±3 Shore D	50 ±3 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	0.5 % (max.)	ASTM D570
Thermal			
Accelerated ageing	(120°C for 500 hrs)	(120°C for 500 hrs)	ASTM D2671
Tensile Strength	10.5Mpa (N/mm ²) (min.)	10.5Mpa (N/mm ²) (min.)	ASTM D638
Ultimate Elongation	270 % (min.)	270 % (min.)	ASTM D638
Low Temperature Flexibility	No Cracking	No Cracking	ASTM D2671
(-40°C for 4 hrs.)			
Heat Shock (250°C for 30 min.)	No cracking or flowing	No cracking or flowing	ESI 09-11
Shrink Temperature	135°C	135°C	IEC 216
Continuous Temperature Limit	-40 to +100°C	-40 to +100°C	IEC 216
Electrical			
Dielectric Strength	20 KV/mm.(min)	N/A	ASTM D149
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min)	1 x 10 ³ Ohm.cm (min)	ASTM D257

Selection Chart

Gala Code	D min. (mm)	d max. (mm)	T (mm)
GDLT 30/11	30	11	5.0 ± 0.3
GDLT 35/13	35	13	5.0 ± 0.3
GDLT 45/16	45	16	5.0 ± 0.3
GDLT 55/20	55	20	5.0 ± 0.3
GDLT 65/27	65	27	5.0 ± 0.3
GDLT 85/30	85	30	7.5 ± 0.3
GDLT 100/35	100	35	7.0 ± 0.3
GDLT 120/45	120	45	7.0 ± 0.4

