



Heat Shrink Oil Barrier Tube is applied to PILC Cables for preventing the cable oil from dripping out and increasing the insulation up to 36 kV. These tubes are made from high quality cross linked polyolefin material.

Features & Benefits :

- ❖ Oil-resistant material prevents oil penetration.
- ❖ High dielectric strength for excellent electrical insulation.
- ❖ Seamless shrink fit for a tight, uniform seal.
- ❖ Chemical and corrosion resistance against oils, fuels, and industrial chemicals.
- ❖ Durable and flexible design for easy installation.
- ❖ Suitable for oil fields, refineries, and heavy industries.
- ❖ Extends cable life by reducing wear and tear.
- ❖ Reliable sealing to prevent leaks and contamination.
- ❖ Reduces maintenance costs by minimizing replacements and repairs.

Technical Specification*

PROPERTIES	TYPICAL VALUE	STANDARD
Physical		
Tensile Strength	12 N/mm ² (Mpa) (Min)	ASTM D638
Ultimate Elongation	350% (Min)	ASTM D638
Longitudinal Change	±10% (Max)	ASTM D2671
Density	1.0 ± 0.2gm/cm ³	ASTM D792
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	11 N/mm ² (Mpa) (Min)	ASTM D638
Ultimate Elongation	300% (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°C to +110°C	IEC 216
Electrical		
Dielectric Strength	12kV / mm (min)	ASTM D149
Volume Resistivity	1 x 10 ¹⁴ Ohm. cm. (Min)	ASTM D257
Dielectric Constant	5 (max)	ASTM D150

Selection Chart :

Gala Code	Ds Min. (mm)	Df Max. (mm)	T±10% (mm)
GOBT 30/10	30	10	2.5
GOBT 40/12	40	12	2.5
GOBT 50/16	50	16	2.5
GOBT 75/22	75	22	2.5
GOBT 90/26	90	26	2.5
GOBT 115/34	115	34	3.0

*All dimensions are in mm. | D : Body Diameter | s : As Supplied | f : After Free Recovery

