

# BH-TRT

## SEMI-CONDUCTING/INSULATION/ELASTOMERIC INSULATION TRIPLE LAYER HEAT SHRINKABLE TUBING

### Features/Applications

BH-TRT is triple wall heat shrinkable tubing. Its inner layer is made from elastomeric insulation materials, middle layer is made from PE materials and the external layer is made from semi-conductive materials to provide electric shielding. The tubing manufactured with special technology, is suitable for applications in power joints from 11kV to 36kV.

- Triple layer
- Inner layer made from elastomer
- Middle layer made from PE
- External layer made from semi-conducting
- Minimum shrink temperature: 110°C
- Minimum fully recovery temperature: 130°C



### Technical Data

Property	Test Method	Typical Data
Inner Layer		
Tensile strength	ASTM D 412	≥5MPa
Elongation at break	ASTM D 412	≥800%
Water absorption	ISO 62	<0.5%
Volume resistance	IEC 93	≥1.0 x10 <sup>15</sup> Ω.cm
Dielectric strength	IEC 243	≥28KV/mm
Density	ASTM D792	1.1g/cm3
Middle Layer		
Tensile strength	ASTM D 2671	≥12MPa
Elongation at break	ASTM D 2671	≥300%
Water absorption	ISO 62	<0.5%
Volume resistance	IEC 93	≥1.0 x10 <sup>14</sup> Ω.cm
Dielectric strength	IEC 243	≥20KV/mm
Density	ASTM D257-98	1.15g/cm3
External Layer		
Tensile strength	ASTM D 412	≥14MPa
Elongation at break	ASTM D 412	≥300%
Water absorption	ISO 62	<0.5%
Volume resistance	IEC 93	<1.0 x10 <sup>4</sup> Ω.cm
Density	ASTM D792	1.15g/cm3

### Product Dimensions (mm)

Normal size (mm)	As supplied (mm)	After recovered (mm)				
	Inside diameter (min.)	Inside diameter (max.)	Total Wall thickness (mm)	Semi-conducting layer (mm)	Middle PE layer (mm)	Inner elastomeric layer (mm)
BH-TRT 36/12	36	12	7.80±0.40	0.80±0.10	3.5±0.20	3.5±0.20
BH-TRT 46/15	46	15	7.80±0.40	0.80±0.10	3.5±0.20	3.5±0.20
BH-TRT 50/18	50	18	7.80±0.40	0.80±0.10	3.5±0.20	3.5±0.20
BH-TRT 56/21	56	21	7.80±0.40	0.80±0.10	3.5±0.20	3.5±0.20
BH-TRT 62/25	62	25	7.80±0.40	0.80±0.10	3.5±0.20	3.5±0.20
BH-TRT 70/30	70	30	7.80±0.40	0.80±0.10	3.5±0.20	3.5±0.20
BH-TRT 80/36	80	36	7.80±0.40	0.80±0.10	3.5±0.20	3.5±0.20
BH-TRT 95/40	95	40	7.80±0.40	0.80±0.10	3.5±0.20	3.5±0.20
BH-TRT 120/50	120	50	7.80±0.40	0.80±0.10	3.5±0.20	3.5±0.20