

INSULTUBE^{RED}™

HEAT SHRINK RED INSULATION TUBE



Insultube - Red is used in Power Cable Joints for MV Applications.

These tubes are manufactured from high quality cross linked polyolefin material.

Excellent Di-electric properties.

Conforms to IEC 60684-3-247 standard.

Halogen free, RoHS compliant.

Customised dimensions, thickness, length & colours available on request.

Selection Chart

Code	D min. (mm)	d max. (mm)	T±10% (mm)
GRT 34/10	34	10	3.0
GRT 46/13	46	13	3.5
GRT 54/16	54	16	4.0
GRT 60/18	60	18	4.0
GRT 68/20	68	20	4.2
GRT 75/25	75	25	4.5
GRT 85/28	85	28	5.1
GRT 95/30	95	30	5.3

D,d : Internal Diameter

NEW

Selection Chart (Heavy Wall)

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

Technical Qualification Report : QR 1036

Technical Specification

PROPERTIES	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
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.2 % (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	ASTM D2671
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40 to +110°C	
Electrical		
Dielectric Strength	20 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150

Selection Chart (Extra Heavy Wall)

Code	D min. (mm)	d max. (mm)	T±10% (mm)	Length max. (mtr)
GRT(EHW) 35/12	35	12	7	1.5
GRT(EHW) 55/18	55	18	7	1.5
GRT(EHW) 65/25	65	25	7	1.5
GRT(EHW) 85/30	85	30	7	1.5
GRT(EHW) 100/38	100	38	7	1.5
GRT(EHW) 120/45	120	45	7	1.5

D, d : Internal diameter ; T : Thickness

