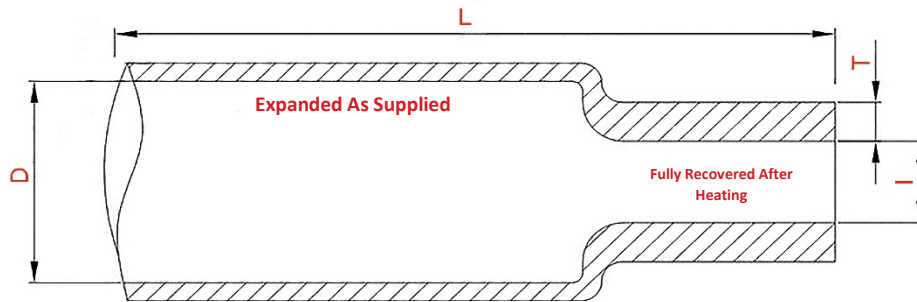


RIMTU/RIMTA

REPL Heat Shrinkable Medium Wall Heat Shrink Tubes (RIMT) provide environmental protection to the cable cores of plastic and paper insulated cable terminations, and insulation over the connector area in cable joints rated up to 1kV. The insulating tubes are made from thermally stabilized, cross linked, weather resistant polymeric material.

The tubes can be supplied internally coated with hot melt adhesive (RIMTA).



*Drawing depicts typical dimensions (Dimensions are all in mm)

D – Internal Diameter | L – Maximum Internal Diameter | L – Length as per requirement | T – Wall Thickness | E – As Supplied | S – After Free Recovery

PRODUCT DIMENSIONS – RIMT Series

CODE	D		T
	E	S	S
	Min	Max	± 0.2
RIMTU (/A) 9/3 *	9	3	1.90
RIMTU (/A) 12/4 *	12	4	2.20
RIMTU (/A) 16/5 *	16	5	2.30
RIMTU (/A) 22/6 *	22	6	2.50
RIMTU (/A) 33/10 *	33	10	2.60
RIMTU (/A) 40/12 *	40	12	2.80
RIMTU (/A) 52/16 *	52	16	3.00
RIMTU (/A) 63/19 *	63	19	3.20
RIMTU (/A) 75/22 *	75	22	3.20
RIMTU (/A) 80/22 +	80	22	3.20
RIMTU (/A) 100/30 +	100	30	3.30
RIMTU (/A) 120/34 +	120	34	3.30
RIMTU (/A) 140/40 +	140	40	3.40
RIMTU (/A) 160/50 +	160	50	3.60
RIMTU (/A) 180/60 +	180	60	3.60

RIMT – Uncoated Tube

RIMTA – Coated Tube

-Custom sizes are available on request with minimum volume requirements

Colour = BLACK

MATERIAL SPECIFICATIONS

CHARACTERISTIC	VALUE	TEST METHOD
Physical Properties		
Specific Gravity	1.19 ± 0.2 g/cm ³	ASTMD - 1505
Water Absorption	0.5% (max)	ASTM D – 570
Tensile Strength	≥14.5 N/sqmm (min)	ASTM D – 412 / ISO 37
Ultimate Elongation	500% (min)	ASTM D – 412 / ISO 37
Hardness	43 ± 3 Shore D	ASTM D - 2240
Longitudinal Change	±10%	ESI 09 - 13
Shrink Ratio	3 : 1 (Min)	TP / QA / 61
Torching	No Split	TP / QA / 7
Thermal Tests		
Shrink Temperature	120°C	IEC - 216
Heat shock (30 min 200° C)	No cracking / No flow	ESI 09-13
Heat Ageing (500 hrs 120° C)- Tensile Strength	12 N/mm ² (min)	ASTM D-412 / ISO-37
Ultimate Elongation	300% (min)	
Low Temp. Flexibility (- 40° C)	No cracking	ASTM D-2671
Electrical Properties		
Dielectric Strength	20 kV/mm (min)	ASTM D-149 / IEC-243
Volume Resistivity	1x10 ¹³ Ohm-cm (min)	ASTM D – 257 / IEC 93
Dielectric Constant	5 (max)	ASTM D-150 / IEC-250
Chemical Properties		
Fungus Resistance	No Growth	ASTM G - 21
Chemical resistance immersion in following liquids NaOH (40%), H ₂ SO ₄ (3%), Toluene acetone for 24 hrs at room temperature	Good (no change in appearance)	ISO 175

REPL reserve the right to update the information contained in this document at any time without notice. It is the users responsibility to ensure it is suitable for the intended application. Any implied warranty relating to fitness for a particular purpose are explicitly excluded unless agreed in writing by REPL.

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