

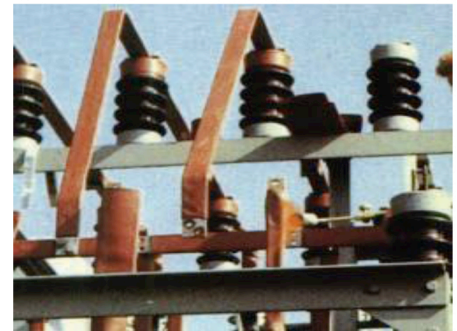
# RSSL and RSST Anti-Track Tubing

## APPLICATIONS:

Radiform has developed a complete range of high quality and high performance anti-tracking tubing suitable for the insulation of Buss Bar in indoor and out-door applications. The high insulation properties of this product enable users to significantly reduce the safety clearance between phases. This product is suited for straight and bent buss bar. The tubing is extremely flexible allowing them to be easily positioned on buss bar and quickly installed using a gas torch. Both products are manufactured in accordance to BS EN 7933-3:2008, HD 631.3:2008

### RSSL-Medium Wall Flexible Anti-tracking tubing

- Full recovered wall thickness: up to 2.5mm
- Dielectric strength: > 160 KV/cm
- Operating temperature range: -50°C to + 100°C
- Operating voltage: up to 36KV Halogen Free



Application range		Recommended Phase Spaces						Air Clearance IEC71-2 (mm)	Part Number
II 2 x (a + b) Min – Max mm	⊗ Diameter Min. – Max. mm	II RSSL-Insulated			⊗				
		U <sub>m</sub> KV	L-L mm	L-N mm	L-L mm	L-N mm			
38 to 76	12 to 25							RSSL 28 - 10	
56 to 94	17 to 30	12	65	70	55	65	120	RSSL 37 - 15	
70 to 130	20 to 43	17.5	85	100	70	85	160	RSSL 45 - 18	
96 to 130	28 to 60	24	115	140	95	125	220	RSSL 65 - 25	
116 to 230	35 to 80	36	200	245	150	205	320	RSSL 88 - 30	
140 to 290	54 to 95							RSSL 104 - 35	

### RSST-Thick wall Flexible Anti-tracking insulation tubing

- Full recovered wall thickness: up to 4.0mm
- Dielectric strength: > 160 KV/cm
- Operating temperature range: -50°C to + 100°C
- Operating voltage: up to 36KV Halogen Free



Application range		Recommended Phase Spaces						Air Clearance IEC71-2 (mm)	Part Number
II 2 x (a + b) Min – Max mm	⊗ Diameter Min. – Max. mm	II RSSL-Insulated			⊗				
		U <sub>m</sub> KV	L-L mm	L-N mm	L-L mm	L-N mm			
18 to 36	12 to 25	12	35	45	30	40	120	RSST 30- 12	
28 to 45	18 to 32	17.5	55	65	45	45	160	RSST 40- 16	
44 to 69	28 to 45	24	70	100	60	60	220	RSST 65- 25	
69 to 102	44 to 72	36	140	190	100	160	320	RSST100- 40	
102 to 148	65 to 105							RSST150- 60	

Products' dimensions may change without prior notice, check with our local office or representative when ordering

## PRODUCT TECHNICAL DATA

PROPERTIES	TEST METHOD	TYPICAL VALUE
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**Physical:**

Tensile Strength	ASTM-D-638 M/mm <sup>2</sup>	14 Mp a.
Water Absorption	ASTM-D-570	.15 % Max.
Elongation	ASTM-D-638%	300%
Low Temperature Flexibility	ASTM-D-2671	-55 °C
Specific Gravity	ASTM-D-792	1.2
Longitudinal Change	ASTM-D-638	>3%
Flammability	ASTM-D-2671	2

**Thermal:**

Operating Temperature	IEC21 6	-55°C to + 100 °C
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**Chemical:**

Fungus Resistance	MIL - 1-7444	Inert
Copper Corrosion	ASTM D 2671 B	XX
Chemical Resistance		XX

**Electrical :**

Dielectric Strength	ASTM-D-2671	>16kV / mm
Dielectric Constant	ASTM-D-150	3.0 Max.
Volume Resistance	ASTM-D-257	10 <sup>14</sup> Ohm / cm
Comparative Tracking Index	IEC 60112 : 2003	Complied

**Flamability:**

Not Self Extinguishing	1
Flame Retarded	2
Self Extinguishing	3

**Chemical Resistance and Copper Corrosion:**

X	Satisfactory
XX	Good
XXX	Excellent

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Disclaimer: The company reserves the rights to make changes to the products and their specifications with prior notice. The above information given corresponds to our actual knowledge and are according our knowledge is rendered correct and reliable. But they do not represent binding properties. Customers and end-users have to decide autonomously about application in the provided range. Under no circumstances is Radiform Insulation Industries Pte Ltd liable for any eventual, indirect or consequential damages arising from the sales, resales, transfer, use or misuse of the product. Our liabilities are limited to only in replacing products due to manufacturing defects.