

RSST Stress Control Tubing

Usage: Stress control tubing up to 36KV

Applications: This tubing controls the electrical stress at the end of the copper screen. Without stress control tubing if the copper screen is cut and removed from the terminal section with no further precautions taken the electrical field is concentrated on the end of the copper screen.



Technical Data:

No	Test item	Test Method	Typical Value
1	Shrink Temperature		120 ~ 130°C
	Hardness (Shore A)		≥90
2	Tensile Strength	ASTM D2671	≥13 MPa
3	Elongation at break	ASTM D2671	≥300%
4	Heat shock(200°C,30mins)	ESI09-13	No splitting, cracking, dropping or flowing
5	Volume Resistivity	IEC93	≥10 ¹¹ Ω·cm
6	Dielectric Constant	IEC250	≥20
7	Low temperature Flexibility	-40°C,4hrs	No cracking



Dimensions:

Size	As supplied (mm)		After Free Recovery (mm)		Standard Length (m)	
	Inside Diameter	Wall-thickness ±30%	Inside Diameter	Wall-thickness		
10KV	RSST-24/9	≥24	1.0	≤9	2.1±0.25	1-1.5
	RSST-30/13	≥30	1.0	≤13	2.1±0.25	1-1.5
	RSST-33/16	≥33	1.0	≤16	2.1±0.25	1-1.5
	RSST-42/19	≥42	1.1	≤19	2.1±0.25	1-1.5
	RSST-50/22	≥50	1.2	≤22	2.5±0.25	1-1.5
	RSST-62/26	≥62	1.2	≤36	2.5±0.25	1-1.5
36KV	RSST-47/18	≥47	1.6	≤18	3.3±0.4	1-1.5
	RSST-60/25	≥60	1.8	≤25	3.3±0.4	1-1.5
	RSST-75/33	≥75	1.8	≤33	3.3±0.4	1-1.5
	RSST-85/30	≥85	1.8	≤30	3.7±0.4	1-1.5
	RSST-95/45	≥95	1.8	≤45	3.7±0.4	1-1.5
	RSST-140/49	≥138	2.0	≤55	5.0±0.4	1-1.5