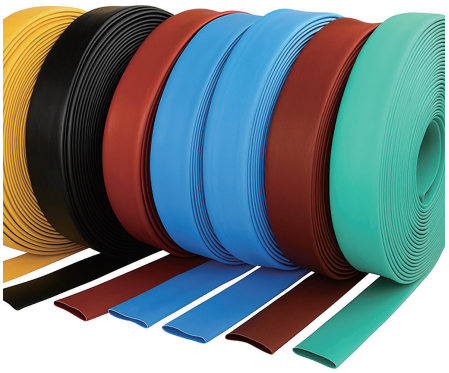
Shrivox

High-Voltage Resistant Busbar Heat Shrink Tubing
耐高压母排热缩管

高强度阻燃，多色分管，高压母排专用
High Strength, Flame Retardant, Multi-Color, For High-Voltage Busbars



该产品专为1kV、10kV、20kV和35kV母排的绝缘保护而设计，采用高强度材料，具备优异的机械强度和阻燃性能。多种颜色选择方便母排分色管理，适用于直线及弯曲母排的长期安全防护。其环保、耐久和高可靠性的特性，能够为各类高压场合提供更安全、稳定的绝缘解决方案。

This product is designed for insulation protection of 1kV, 10kV, 20kV, and 35kV busbars, featuring high mechanical strength and excellent flame retardancy. With multiple color options for easy identification, it delivers safe and reliable long-term protection for both straight and bent busbars. Its environmentally friendly and robust properties make it an ideal insulation solution for a wide range of high-voltage applications.

产品特性与优势 Features and benefits

性能 Property	指标要求 Requirement	测试方法 Test Method	典型值 Typical Data
操作温度范围 Operating Temperature	/	/	-55°C to +125°C
最低收缩温度 Min. Shrink Temperature	/	/	+84°C
完全收缩温度 Full recovery temperature	/	/	+120 °C
抗张强度 Tensile strength	≥8 Mpa	GB/T1040	通过 Pass
断裂伸长率 Elongation at break	≥300%	GB/T1040	≥300%
老化后的抗张强度 Tensile strength after aging	≥6.4 Mpa	GB/T1040 GB/T7141	通过 Pass
老化后断裂伸长率 Elongation at break after aging	≥100%	GB/T1040 GB/T7141	≥100%
径向收缩率 Radial Shrinkage Ratio	≥50%	/	≥50%
轴向收缩率 Axial Shrinkage Ratio	Φ20~Φ30≤5%; Φ40~Φ50≤8%; Φ60以上≤15%	/	Φ20~Φ30≤5%; Φ40~Φ50≤8%; Φ60以上≤15%
热冲击 Heat shock	无裂痕 No Cracking	JB7829-D (+160℃/4 hrs)	无裂痕 No Cracking
耐低温性能 Low Temperature Resistance	无裂痕 No Cracking	< -40℃	无裂痕 No Cracking
阻燃试验(氧指数O.I) Flame Retardancy Test (Oxygen Index, O.I)	≥28	GB/T2406	≥28
绝缘强度 Dielectric strength	≥15kV/mm	GB/T1408.1	≥15kV/mm
体积电阻率 Volume resistivity	≥4.3×10^{14}Ω·cm	GB/T1410	≥4.3×10^{14}Ω·cm
硬度(邵氏A) Hardness (Shore A)	≤90	GB 2411	≤90

- 收缩比2:1
- 适用于1kV-35kV母排绝缘保护
- 高机械强度，阻燃，耐久耐高低温
- 多色可选，便于分色管理与识别

- Shrink ratio 2:1
- Designed for 1kV–35kV busbar insulation
- High mechanical strength, flame retardant, wide temperature range
- Multiple colors for easy identification and management

电气性能 Electrical Properties					
项目 Item	单位 Unit	指标 Specification			
		1KV	10KV	20KV	35KV
工频电压试验 Power Frequency Voltage Test	KV	2	42	50	95
雷电冲击电压试验 Lightning Impulse Voltage Test	KV	4	75	95	185

符合标准 Standards

- RoHS;
- REACH;

颜色 COLOR

https://www.hzdingyuan.cn/

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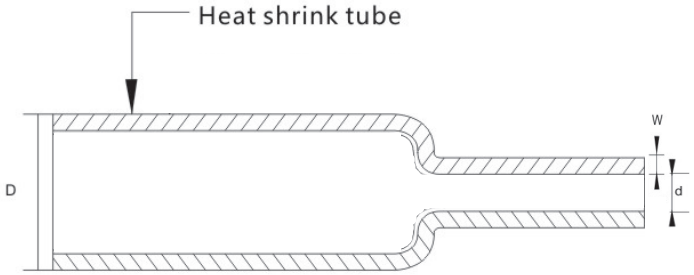

1kV母排热缩管规格表
Specification Table for 1kV Busbar Heat Shrink Tubing

编号 Part No.	规格 Size (Φ mm)	适用母排 (方形/圆形) Applicable Busbar (Rectangular/Round) (mm)	收缩前 As supplied (mm)	收缩后 After recovered(mm)		标准长度 Standard length (m/roll)
			内径 I.D.(D)	最大内径 I.D.max (d)	壁厚 W.T (w)	
Shrivox-R-1-30	30	30	31.5±1.0	≤15	0.95±0.15	50
Shrivox-R-1-35	35	35	36.5±1.5	≤18	1.00±0.15	50
Shrivox-R-1-40	40	40	41.5±1.5	≤20	1.00±0.15	50
Shrivox-R-1-45	45	45	46.5±1.5	≤23	1.00±0.15	25
Shrivox-R-1-50	50	50	51±2.0	≤25	1.00±0.15	25
Shrivox-R-1-60	60	60	60±3.0	≤30	1.30±0.20	25
Shrivox-R-1-70	70	70	70±3.0	≤35	1.30±0.20	25
Shrivox-R-1-80	80	80/100	80±3.0	≤40	1.46±0.20	25
Shrivox-R-1-90	90	100	90±4.0	≤45	1.46±0.20	25
Shrivox-R-1-100	100	100/120	100±4.0	≤50	1.46±0.20	25
Shrivox-R-1-120	120	150	120±4.0	≤60	1.46±0.20	25
Shrivox-R-1-150	150	180	150±4.0	≤75	1.46±0.20	25

10kV母排热缩管规格表
Specification Table for 10kV Busbar Heat Shrink Tubing

编号 Part No.	规格 Size (Φ mm)	适用母排 (方形/圆形) Applicable Busbar (Rectangular/Round) (mm)	收缩前 As supplied (mm)	收缩后 After recovered(mm)		标准长度 Standard length (m/roll)
			内径 I.D.(D)	最大内径 I.D.max (d)	壁厚 W.T (w)	
Shrivox-R-10-15	15	15/12	15±0.8	≤8	2.10±0.30	25
Shrivox-R-10-20	20	20/15	20±0.8	≤10	2.10±0.30	25
Shrivox-R-10-25	25	25/18	25±0.8	≤12	2.10±0.30	25
Shrivox-R-10-30	30	30/20	30±0.8	≤15	2.10±0.30	25
Shrivox-R-10-40	40	40/30	40±1.0	≤20	2.30±0.30	25
Shrivox-R-10-50	50	50/35	50±2.0	≤25	2.30±0.30	25
Shrivox-R-10-60	60	60/45	60±3.0	≤30	2.30±0.30	25
Shrivox-R-10-70	70	70/50	70±3.0	≤35	2.30±0.30	25
Shrivox-R-10-80	80	80/55	80±3.0	≤40	2.30±0.30	25
Shrivox-R-10-100	100	100/75	100±4.0	≤50	2.40±0.30	25
Shrivox-R-10-120	120	120/85	120±4.0	≤60	2.40±0.30	25
Shrivox-R-10-150	150	150/105	150±4.0	≤75	2.40±0.30	25
Shrivox-R-10-180	180	180/120	180±5.0	≤90	2.40±0.30	25

接受特殊尺寸及颜色定制需求，技术参数如有变更，恕不另行通知。最低订购量（MOQ）可能与包装数量有所不同。
Custom sizes and colors are available upon request. Technical specifications are subject to change without prior notice. Minimum order quantities (MOQ) may differ from standard packaging quantities.

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20kV母排热缩管规格表 Specification Table for 20kV Busbar Heat Shrink Tubing						
编号 Part No.	规格 Size (Φ mm)	适用母排 (方形/圆形) Applicable Busbar (Rectangular/Round) (mm)	收缩前 As supplied (mm)	收缩后 After recovered(mm)		标准长度 Standard length (m/roll)
			内径 I.D.(D)	最大内径 I.D.max (d)	壁厚 W.T (w)	
Shrivox-R-20-15	15	15/12	15±0.8	≤8	2.50±0.20	20
Shrivox-R-20-20	20	20/15	20±0.8	≤10	2.50±0.20	20
Shrivox-R-20-25	25	25/18	25±0.8	≤13	2.50±0.20	20
Shrivox-R-20-30	30	30/20	30±0.8	≤15	2.50±0.20	20
Shrivox-R-20-40	40	40/30	40±1.0	≤20	2.80±0.30	20
Shrivox-R-20-50	50	50/35	50±2.0	≤25	2.80±0.30	20
Shrivox-R-20-60	60	60/45	60±3.0	≤30	2.80±0.30	20
Shrivox-R-20-70	70	70/50	70±3.0	≤35	2.80±0.30	20
Shrivox-R-20-80	80	80/55	80±3.0	≤40	2.80±0.30	20
Shrivox-R-20-100	100	100/75	100±4.0	≤50	2.80±0.30	20
Shrivox-R-20-120	120	120/85	120±4.0	≤60	2.80±0.30	20
Shrivox-R-20-150	150	150/105	150±4.0	≤75	2.80±0.30	20
Shrivox-R-20-180	180	180/120	180±5.0	≤90	2.80±0.30	20

35kV母排热缩管规格表 Specification Table for 35kV Busbar Heat Shrink Tubing						
编号 Part No.	规格 Size (Φ mm)	适用母排 (方形/圆形) Applicable Busbar (Rectangular/Round) (mm)	收缩前 As supplied (mm)	收缩后 After recovered(mm)		标准长度 Standard length (m/roll)
			内径 I.D.(D)	最大内径 I.D.max (d)	壁厚 W.T (w)	
Shrivox-R-35-15	15	15/12	15±1.0	≤8	4.00±0.30	20
Shrivox-R-35-20	20	20/15	20±1.0	≤10	4.00±0.30	20
Shrivox-R-35-30	30	30	30±1.0	≤15	4.00±0.30	20
Shrivox-R-35-35	35	30/40	35±1.0	≤18	4.00±0.30	20
Shrivox-R-35-40	40	40	40±1.0	≤20	4.00±0.30	20
Shrivox-R-35-50	50	50	50±2.0	≤25	4.00±0.30	20
Shrivox-R-35-60	60	60	60±2.0	≤30	4.00±0.30	20
Shrivox-R-35-70	70	70	70±2.0	≤35	4.00±0.30	20
Shrivox-R-35-80	80	80/100	80±4.0	≤40	4.00±0.30	20
Shrivox-R-35-100	100	100/120	100±4.0	≤50	4.00±0.30	20
Shrivox-R-35-120	120	150	120±4.0	≤60	4.00±0.30	20
Shrivox-R-35-150	150	180	150±4.0	≤75	4.00±0.30	20
Shrivox-R-35-180	180	MAX	180±5.0	≤90	4.00±0.30	20

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