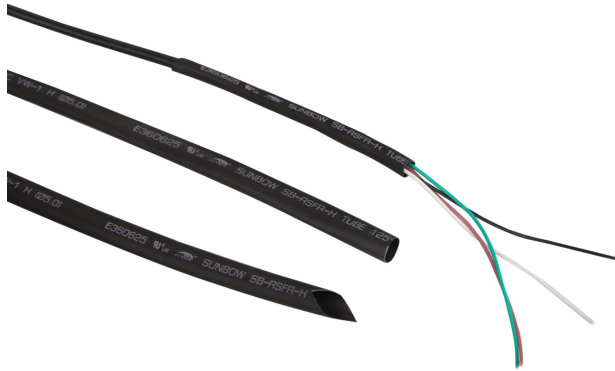


## Halogen Free Flame-retardant Heat Shrinkable Tube



**Model Number: SB-RSFR-H**

Working temperature: -55°C ~ 125°C

### Structure

Halogen free flame-retardant heat shrinkable tube is made of eco-friendly cross-linking polyolefin material under irradiation. It has environment-friendly, flexible, flame retardant, quick shrink and stable performances. Also, it has electrical insulation, welding point anticorrosion and antirust and mechanical performances. It has passed UL, RoHS, Reach certifications for 300V and 600V.

### Usage

It is mainly used in electronics, telecommunication, automobiles, shipping and other manufacturing industries.

### Characteristics

1. Halogen free, non-smoke, non-toxic, flame-retardant, soft, quick shrink, stable performance
2. Shrink ratio: 2:1
3. Shrink temperature: 84°C ~ 120°C

### Specification

Item	性能参数 Performance parameter
收缩温度 (°C) Shrink Temperature	120-150
温度等级 (°C) Temperature Range	125
径向收缩率 (%) Radial Shrinking Ratio	≥50
轴向收缩率 (%) Longitudinal Shrinking Ratio	≤±5
抗张强度 (MPa) Tensile Strength	≥10.4
断裂伸长率 (%) Elongation Ratio	≥200
空气烘箱老化 Aging in circulating-air oven	(158±1.0) °C, 7 天 (158±1.0) °C, 7days
抗张强度 (MPa) Tensile Strength	≥7.3

老化后 After aging	断裂伸长率 (%) Elongation Ratio	≥100
耐电压等级 (V) Dielectric Voltage Withstand		600
体积电阻率 (Ω·cm) Volume Resistivity		10 <sup>14</sup>
耐压强度 Dielectric Strength		≥AC2500V-60S , 不击穿 ≥AC2500V-60S , no breakdown
燃烧性 Flammability		VW-1
同心率 (%) Concentricity		≥65
热冲击 Heat shock		250℃ , 4 小时, 不开裂 4 hours at 250.0℃, No cracking
冷弯曲 Cold bend		-30℃, 4 小时, 不开裂 4hour at -30℃, No cracking
裸铜腐蚀性 Corrosion of the bare copper		(95±5) %、23℃, 24 小时, 158±1.0) °C 7 天后: 无开裂、不褪色 (95±5) %、23℃, 24 hours, 158±1.0℃ , 7days, No cracking, No fade

## Dimension

### 1) Halogen Free Flame-retardant Heat Shrinkable Tube(600V)

规格 Size	收缩前尺寸(mm) As Supplied		完全收缩后尺寸(mm) After Recovery		包装长度 (米/盘) Packing Length (Meter/Roll)
	内径 (D) Inside diameter	壁厚 (T) Wall-thickness	内径 (d) Inside diameter	壁厚 (t) Wall-thickness	
Φ0.8	1.2±0.2	0.18±0.05	≤0.45	0.34±0.08	300
Φ1.0	1.5±0.2	0.18±0.05	≤0.60	0.36±0.08	400
Φ1.5	2.0±0.2	0.18±0.05	≤0.80	0.36±0.08	400
Φ2.0	2.5±0.2	0.20±0.05	≤1.00	0.42±0.08	400
Φ2.5	3.0±0.2	0.22±0.05	≤1.25	0.46±0.08	400
Φ3.0	3.5±0.2	0.22±0.05	≤1.50	0.46±0.08	400
Φ3.5	4.0±0.2	0.22±0.05	≤1.75	0.46±0.08	200
Φ4.0	4.5±0.2	0.22±0.05	≤2.00	0.46±0.08	200
Φ4.5	5.0±0.2	0.23±0.05	≤2.25	0.46±0.08	100

Φ5.0	5.5±0.2	0.25±0.05	≤2.50	0.50±0.08	100
Φ6.0	6.5±0.2	0.25±0.05	≤3.00	0.55±0.10	100
Φ7.0	7.5±0.2	0.25±0.05	≤3.50	0.55±0.10	100
Φ8.0	8.5±0.2	0.28±0.06	≤4.00	0.58±0.10	100
Φ9.0	9.5±0.2	0.28±0.06	≤4.50	0.58±0.10	100
Φ10	10.5±0.3	0.28±0.06	≤5.00	0.58±0.10	100
Φ11	11.5±0.3	0.28±0.06	≤5.50	0.58±0.10	100
Φ12	12.5±0.3	0.28±0.06	≤6.00	0.58±0.10	100
Φ13	13.5±0.3	0.28±0.06	≤6.50	0.58±0.10	100
Φ14	14.5±0.3	0.28±0.06	≤7.00	0.58±0.10	100
Φ15	15.5±0.3	0.28±0.06	≤7.50	0.58±0.10	100
Φ16	16.5±0.3	0.28±0.06	≤8.00	0.58±0.10	100
Φ17	17.5±0.3	0.28±0.06	≤8.50	0.58±0.10	100
Φ18	18.5±0.3	0.32±0.08	≤9.00	0.68±0.10	100
Φ20	20.6±0.5	0.32±0.08	≤10.0	0.68±0.10	100
Φ22	22.6±0.6	0.35±0.08	≤11.0	0.72±0.12	100
Φ25	25.6±0.6	0.40±0.10	≤12.5	0.78±0.12	50
Φ28	28.6±0.6	0.40±0.10	≤14.0	0.78±0.12	50
Φ30	30.6±0.6	0.40±0.10	≤15.0	0.82±0.12	50
Φ35	35.6±0.6	0.45±0.10	≤17.5	0.92±0.12	25
Φ40	41.0±0.7	0.50±0.12	≤20.0	1.00±0.15	25
Φ45	46.0±0.7	0.50±0.12	≤22.5	1.00±0.15	25
Φ50	51.0±1.0	0.55±0.15	≤25.0	1.10±0.15	25
Φ55	56.0±1.0	0.55±0.15	≤27.5	1.10±0.15	25
Φ60	61.0±1.0	0.60±0.15	≤30.0	1.25±0.20	25
Φ70	71.0±1.0	0.60±0.15	≤35.0	1.25±0.20	25
Φ80	81.0±1.0	0.60±0.15	≤40.0	1.25±0.20	25
Φ90	91.0±1.0	0.60±0.15	≤45.0	1.25±0.20	25
Φ100	101.0±1.0	0.60±0.15	≤50.0	1.25±0.20	25

**Color:** Standard color is black (other color available upon request).