

**SBRS-(3X,4X)G heat shrink tube**



**Description:**

**SBRS-(3X,4X)G heat shrink tube is Flame-retardant, high-shrink-ratio, adhesive-lined semirigid polyolefin tubing.**

Specially designed for environmental sealing and electrical insulation of wires plices, terminations, and components.

**Product Features/Benefits:**

- 3:1/4:1 shrink ratio allows a few sizes to cover a wide range of splice and component diameters
- Flame-retardant and mechanically tough, the tubing provides strain relief and abrasion protection of wire splices, terminals, and other components
- Thick adhesive liner forms an effective barrier against fluids and moisture and performs well at an extended temperature range
- UL recognized.

**Performance standard:** UL224 CAN/CSA C22.2 NO198.1-99

**Environmental protection standard:** RoHs, IPC/JEDEC-J-STD-709, H-class material

**Installation:**

Minimum shrink temperature: 70°C

Minimum full recovery temperature: 125°C

**Operating Temperature Range:** -45°C to 125°C

**Technical index:**

<b>Performance:</b>	<b>Index:</b>	<b>Test according:</b>
Tensile Strength	≥10.4 MPa	ASTM D 2671
Elongation at break	≥300%	ASTM D 2671
Thermal aging tensile strength	≥7.3 MPa	158°C×168h
Elongation at break after heat aging	≥100%	158°C×168h
Axial change rate	-8%—+8%	ASTM D 2671
Flame retardant	Self-extinguishing within 30s	AMS-DTL-23053/4
Breakdown strength	≥15KV/mm	IEC 60093
Volume resistivity	≥10 <sup>14</sup> Ω.cm	IEC 60093

**Specifications - SBRS-(3X) G**

Spec (cm)	Spec (inch)	Recovered after heating (mm)				Standard Package(m /set)
		Inside Diameter Supply	Inside Diameter	Wall Thickness	Thickness Adhesive	
Ø3.2	1/8	≥3.2	≤1.00	0.50±0.10	0.40±0.10	200
Ø4.8	3/16	≥4.8	≤1.60	0.50±0.10	0.40±0.10	100
Ø6.4	1/4	≥6.4	≤2.20	0.50±0.10	0.45±0.10	100
Ø7.9	5/16	≥7.9	≤2.70	0.60±0.10	0.50±0.10	100
Ø9.5	3/8	≥9.5	≤3.20	0.80±0.10	0.50±0.15	50
Ø12.7	1/2	≥12.7	≤4.20	0.80±0.10	0.50±0.15	1.22
Ø15.4	5/8	≥15.4	≤5.20	0.80±0.10	0.60±0.15	1.22
Ø19.1	3/4	≥19.1	≤6.30	1.05±0.10	0.65±0.15	1.22
Ø25.4	1	≥25.4	≤8.50	1.45±0.10	0.85±0.15	1.22
Ø30.0	1-1/4	≥30.0	≤10.20	2.20±0.25	0.60±0.15	1.22
Ø39.0	1-1/2	≥39.0	≤13.50	2.40±0.25	0.60±0.15	1.22
Ø50.0	2	≥50.0	≤17.00	2.70±0.25	0.80±0.15	1.22
Ø64.0	2-1/2	≥64.0	≤21.00	3.00±0.30	0.80±0.20	1.22
Ø76.0	3	≥76.0	≤25.00	3.00±0.30	1.00±0.20	1.22
Ø90.0	3-1/2	≥90.0	≤30.00	3.00±0.30	1.00±0.20	1.22
Ø100	4	≥100	≤34.00	3.00±0.30	1.00±0.20	1.22
Ø125	5	≥125	≤42.00	3.00±0.30	1.00±0.20	1.22

**Specifications - SBRS-(4X) G**

Spec (cm)	Spec (inch)	Recovered after heating (mm)				Standard Package(m /set)
		Inside Diameter Supply	Inside Diameter	Wall Thickness	Thickness Adhesive	
Ø4.0	2/13	≥4.0	≤1.0	1.0±0.15	0.4±0.15	1.22
Ø6.0	1/4	≥6.0	≤1.5	1.1±0.15	0.4±0.15	1.22
Ø8.0	5/16	≥8.0	≤2.0	1.2±0.15	0.5±0.15	1.22
Ø12.0	1/2	≥12.0	≤3.0	1.4±0.15	0.5±0.15	1.22
Ø16.0	5/8	≥16.0	≤4.0	1.7±0.15	0.6±0.15	1.22
Ø20.0	15/19	≥20.0	≤5.0	2.0±0.25	0.6±0.15	1.22
Ø24.0	1	≥24.0	≤6.0	2.1±0.25	0.6±0.15	1.22
Ø32.0	1 1/4	≥32.0	≤8.0	2.4±0.25	0.7±0.15	1.22
Ø52.0	2	≥52.0	≤13.0	2.4±0.25	0.7±0.15	1.22

\* Customized dimensions are available on request

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