

## SG (Standard Grade) Polyolefin Heatshrink Sleeving

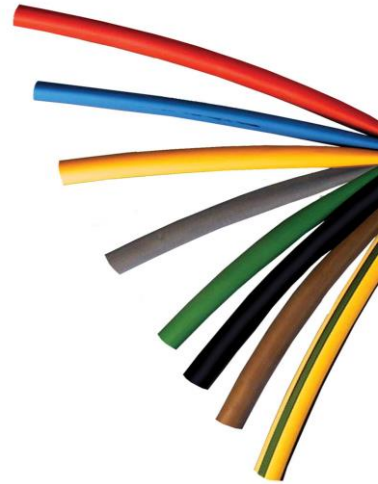
SG sleeving is a flexible flame-retardant 2:1 shrink ratio heat shrinkable tubing designed for a wide range of applications such as insulation, marking or identification purposes, strain relief and mechanical protection.

### Specifications:

- UL224 125°C 600V VW-1
- CSA C22.2 No.198 125°C 600V
- Halogen Free
- RoHS Compliant

### Shrinking Properties:

- Radial shrinkage: 50% min.
- Longitudinal shrinkage: 5% max.
- Tubing has the ability to shrink at comparatively low temperatures of 100°C
- 2:1 shrink ratio
- Operating temperatures -55°C to +125°C
- Self-extinguishing



Part No.*	Size (mm)	Layflat (mm) (nominal)	Inside Diameter (mm)		Wall Thickness (mm)		Reel Length (m)
			As supplied (average)	After recovery (max.)	As supplied (average)	After recovery (max.)	
<b>SG1.2</b>	1.2	-	1.4	0.60	0.20	0.36	200
<b>SG1.6</b>	1.6	-	2.0	0.75	0.20	0.44	200
<b>SG2.4</b>	2.4	-	2.5	1.00	0.20	0.44	100
<b>SG3.2</b>	3.2	5	3.4	1.50	0.25	0.44	100
<b>SG4.8</b>	4.8	8	5.0	2.25	0.25	0.56	100
<b>SG6.4</b>	6.4	11	6.5	3.00	0.25	0.56	100
<b>SG9.5</b>	9.5	17	9.8	4.50	0.25	0.56	100
<b>SG12.7</b>	12.7	21	12.5	6.00	0.25	0.56	100
<b>SG19</b>	19	31	19.3	9.00	0.35	0.77	50
<b>SG25</b>	25	44	25.5	12.5	0.45	0.87	50
<b>SG38</b>	38	6	39.0	19.0	0.50	0.97	50
<b>SG50</b>	50	83	51.0	25.0	0.50	0.97	50
<b>SG75</b>	75	128	76.2	38.1	0.50	0.97	50
<b>SG100</b>	100	160	101.6	50.8	0.50	0.97	50

\* Suffix colour required. Black, blue, yellow, red, white, clear brown grey.  
 Other colours available on request.  
 Supplied on reels or cut to size (m)



### Technical Data - Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D2671	10.4Mpa
Elongation (%)	ASTM D2671	200%
Tensile Strength after Heat Aging	UL224 158°C x 168hrs	≥ 7.3
Elongation after Heat Aging	UL224 158°C x 168hrs	≥ 100
Heat Shock	UL224 250°C x 4hrs	No dripping No cracking

### Technical Data - Electrical

Property	Test Method	Typical Performance
Dielectric Strength	IEC 243	≥ 15kv/mm
Volume Resistivity	IEC93	≥ 1 x 10 <sup>14</sup> Ωcm

### Technical Data - Chemical

Property	Test Method	Typical Performance
Corrosion Action	UL224 158°C x 168hrs	Pass
Copper Compatibility	UL224 158°C x 168hrs	Pass