



## Standard Grade Polyolefin Heatshrink

### 2:1 Shrink Ratio

SG.- Standard Grade Polyolefin, 2:1 shrink ratio, shrink with hot airgun or naked flame, flexible, excellent insulation properties, easily printed on, without adhesive and does not melt-resistant to cold flow.

#### Application:

SG is a flexible, flame-retardant heat shrinkable polyolefin tubing designed for a wide range of applications such as insulation, marking, strain relief and mechanical protection.

#### Specifications:

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

#### Shrinking Properties:

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

### STANDARD SIZES

Part No.*	Size (mm)	'Layflat' (mm) (nominal)	Inside Diameter (mm)		Wall Thickness (mm)		Reel Length (m)
			as supplied (average)	after recovery (maximum)	as supplied (nominal)	after recovery (maximum)	
SG1.2	1.2	-	1.4	0.60	0.20	0.36	200
SG1.6	1.6	-	2.0	0.75	0.20	0.44	200
SG2.4	2.4	-	2.5	1.00	0.20	0.44	100
SG3.2	3.2	5	3.4	1.50	0.25	0.44	100
SG4.8	4.8	8	5.0	2.25	0.25	0.56	100
SG6.4	6.4	11	6.5	3.00	0.25	0.56	100
SG9.5	9.5	17	9.8	4.50	0.25	0.56	100
SG12.7	12.7	21	12.5	6.00	0.25	0.56	100
SG19	19.1	31	19.3	9.00	0.35	0.77	50
SG25	25.4	44	25.5	12.5	0.45	0.87	50
SG38	38.0	60	39.0	19.0	0.50	0.97	50
SG50	50.0	83	51.0	25.0	0.50	0.97	50
SG75	75.0	128	76.2	38.1	0.50	0.97	50
SG100	100.0	160	101.6	50.8	0.50	0.97	50

\* Suffix colour required. For technical data contact SWA. Larger sizes available on request. Sold on reels or cut to size. Colours available: Black, blue, yellow, red, white, clear, brown, grey - other colours on request. Wall thickness will be less if tubing recovery is restricted during shrinkage.

Available in cut lengths

For Green/Yellow - refer to page 109



## Sizing Chart Guide

### Standard Grade Polyolefin Heatshrink to cover 6491X / 6181Y Type Cable

Cable Size (mm <sup>2</sup> )	6491X	6181Y	Cable Size (mm <sup>2</sup> )	6491X	6181Y
1.5	SG4.8	SG64	95	SG19	SG25
2.5	SG4.8	SG64	120	SG25	SG25
4.0	SG6.4	SG95	150	SG25	SG38
6.0	SG6.4	SG95	185	SG25	SG38
10	SG9.5	SG12	240	SG38	SG38
16	SG9.5	SG12	300	SG38	SG38
25	SG12	SG19	400	SG38	SG50
35	SG12	SG19	500	SG50	SG50
50	SG19	SG19	630	SG50	SG50
70	SG19	SG25			

## Standard Grade Polyolefin (green/yellow)

Green and yellow striped, flexible polyolefin sleeving

### Application:

SG-G/Y is a general purpose, flexible polyolefin tubing for a wide range of applications such as insulation, strain relief, light-duty harnessing or where the international electrical ground designation is intended.

### Features:

- Shrink ratio 2:1
- Minimum shrink temperature: 90°C
- Operating temperature: -30°C to +125°C
- Flammability: UL VW-1
- UL224 (Reference standard)



### STANDARD SIZES

Part No.	'Layflat' (mm) (nominal)	Inside Diameter (mm)		Wall Thickness (mm)		Reel Sizes (m)
		as supplied (average)	after recovery (maximum)	as supplied (nominal)	after recovery (maximum)	
<b>SG3.2 G/Y</b>	5	3.4	1.50	0.25	0.50	100
<b>SG4.8 G/Y</b>	8	5.0	2.25	0.25	0.59	100
<b>SG6.4 G/Y</b>	11	6.5	3.00	0.25	0.56	100
<b>SG9.5 G/Y</b>	17	9.8	4.50	0.25	0.68	100
<b>SG12.7 G/Y</b>	21	12.5	6.00	0.25	0.68	100
<b>SG19 G/Y</b>	31	19.3	9.00	0.35	0.77	50
<b>SG25 G/Y</b>	44	25.5	12.5	0.45	0.90	50
<b>SG38 G/Y</b>	60	39.0	19.0	0.50	1.04	50
<b>SG50 G/Y</b>	83	51.0	25.0	0.50	0.97	50

Available in cut lengths