



# Single Wall Products

## S13 Semi-Rigid Flame Retardant Tubing

**Voltage Class 1kV** Ideal for abrasion protection and strain-relief applications

Semi-rigid, flame retardant Heat Shrinkable tubing with high tensile strength. Suitable for transfer flex stress from typically weak electrical or mechanical splice, soldering point, crimped joint or other connections.

### Applications

- Strain-relief for typically weak points such as soldered connections, crimped joints, wire splice and wire terminations
- Mechanical protection of tools, machinery and industrial equipments
- Component packaging and insulation

### Features/Benefits

- Shrink Ratio: 2:1, 3:1
- Highly abrasion resistant semi-rigid material
- Flame resistant, self-extinguish within 60 seconds

### Temperature Range

Operating Temperature : -55 °C ~ 135 °C  
Shrink Temperature : 135 °C



### Colour

Red, Blue, Yellow, White, Black, Green, Transparent

### Product Code Cross References

Raychem	: CRN Series
DSG Canusa	: CHM140
Sumitomo	: B8
3M	: SR350

### Technical Details

Test Item	Test Method	Typical Value
Tensile strength	ASTM D2671	≥ 17MPa
Break out elongation	ASTM D2671	≥ 300%
tensile strength after aging(175°C/168h)	ASTM D2671	≥ 17MPa
break out elongation after aging(175°C/168h)	ASTM D2671	≥ 150%
Heat shock (250°C/4h)	ASTM D2671	no drop / no flow
Dielectric strength	ASTM D2671	≥ 8kV/mm
Flame retardant	ASTM D2671	self-extinguish within 60 seconds
Water absorption	ASTM D570A	≤ 0.5%

### Product Selection(2:1)

Product Code	Wall Thickness After Free Recovery(mm)	Standard Package (m/roll)
S13-Φ3.2	0.51	100
S13-Φ4.8	0.64	100
S13-Φ6.4	0.64	100
S13-Φ9.5	0.76	100
S13-Φ12.7	0.76	1.22
S13-Φ15.0	1.25	1.22
S13-Φ19.1	0.89	1.22
S13-Φ25.4	0.89	1.22
S13-Φ38	1.10	1.22
S13-Φ51	1.10	1.22

ID: Internal Diameter

#### Ordering

When ordering this product, please specify 1) Product code 2) Colour 3) Quantity Required in rolls