

Sealing and Protection for Wire Bundles, Connectors, Terminals and Splices



SCT Tubing

SCT Tubing is specially designed to insulate and seal automotive wire splices and components in an under-the-hood automotive environment.



SCT (150°C) Tubing

Dual-wall, heat-shrinkable tubing designed to provide environmental sealing of an electrical splice in an automotive environment.

Moisture may enter a splice directly or indirectly via capillary action between individual wires, thus causing corrosion. This effect is accelerated by variations in temperature.

The tubing is centred over the splice area and during heating the adhesive melts and is 'squeezed' around where the wires are crimped or welded and between the conductors by the shrinking action of the sleeve.

The installed product provides low profile mechanical protection against flexing, abrasion and cut-through as well as electrical insulation. There are four sizes to cover the range of splice profiles.

Benefits

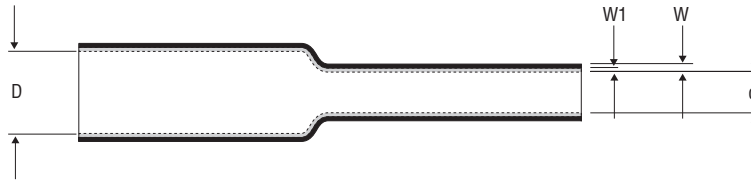
- Excellent environmental seal
- Mechanical protection against flexing, abrasion and cut-through
- Small cross-sectional profile
- 4:1 shrink ratio allows a few sizes to cover a wide range of splice and component diameters
- Flame-retardant and mechanically tough, the tubing provides strain relief and 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
- RoHS/ELV compliant

Flame Retardant, Adhesive-Lined, Semi-Rigid Polyolefin, Heat-Shrinkable Tubing

Product Features

SCT (150°C) Tubing

- Continuous operating temperatures from -40°C up to +150°C (3000 hrs)
- Minimum shrink temperature: 110°C
- Minimum full recovery temperature: 135°C
- Flame retarded
- 4:1 shrink ratio



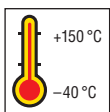
Product Dimensions

Size	Inside Diameter		Recovered Wall Thickness*	
	D (min) Expanded as Supplied mm (Inch)	d (max) Recovered after Heating mm (Inch)	W (nom) Total Wall after Heating mm (Inch)	W1 Meltable Wall after Heating mm (Inch)
SCT-NO. 1	7.6 (.300)	1.7 (.065)	1.52 ±.30 (.060 ±.012)	.76 (.030)
SCT-NO. 2	9.0 (.355)	2.3 (.090)	1.52 ±.30 (.060 ±.012)	.76 (.030)
SCT-NO. 3	11.6 (.455)	2.5 (.100)	2.29 ±.30 (.090 ±.012)	1.40 (.055)
SCT-NO. 4	17.8 (.700)	4.4 (.175)	2.54 ±.30 (.100 ±.012)	1.52 (.060)

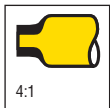
*) Wall thickness will be less if tubing recovery is restricted during shrinkage.

Ordering Information

Standard Colour	Black (0)				
Size Selection	Always order the largest size that will shrink snugly over the component being covered. Special order sizes are available upon request.				
Standard Packaging	Cut pieces				
Marking	Tubing will be printed with its numbered size (such as SCT-1, SCT-2, SCT-3, SCT-4).				
Ordering Description	Specify product name, numbered size, colour and cut length (e.g. SCT-NO.3-0-1220mm).				
Specifications/Approvals	<table border="1"> <tr> <td>Series</td> <td>TE</td> </tr> <tr> <td>SCT Tubing</td> <td>SCT SCD</td> </tr> </table>	Series	TE	SCT Tubing	SCT SCD
Series	TE				
SCT Tubing	SCT SCD				



Operating Temperature Range



Shrinking Ratio



Shrink Temperature



Flame Retarded



Fluid Resistant