tyco Electronics

SCT

Raychem

Adhesive-lined, semirigid, polyolefin heat-shrinkable tubing (extended temperature range)

SCT is a high-quality, dual-wall tubing designed to insulate and seal automotive wire splices and components made by ultrasonic welding, clip-and-dip, or soldering. Typical applications are insulating and sealing splices in an under-the-hood automotive environment.

SCT has a tough outer wall made of radiation crosslinked, flame-retardant, semirigid polyolefin. The inner wall is a unique, specially formulated hot-melt adhesive designed to function at an extended temperature range. The adhesive forms an outstanding barrier against moisture and automotive fluids.

This barrier provides exceptional protection against corrosion.

Because SCT has a high shrink ratio, only a few sizes are needed to cover a wide range of splice and component diameters.

Temperature rating

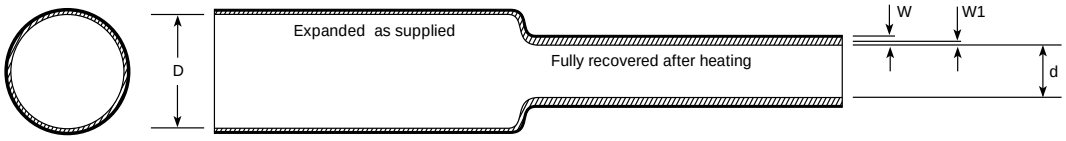
Full recovery temperature:	135°C
Continuous operating temperature:	–40°C to 150°C

*Specifications**

Type	Raychem
SCT	SCT SCD

*When ordering, always specify latest issue.

*Dimensions (*millimeters*/inches)*



	Inside diameter				Recovered wall thickness**			
	D (min.)		d (max.)		W		W1 (min.)	
Size	Expanded as supplied		Recovered after heating		Total wall		Adhesive wall	
SCT No. 1	7.6	*0.300*	1.7	*0.065*	1.52 ± 0.30	*0.060 ± 0.012*	0.76	*0.030*
SCT No. 2	9.0	*0.355*	2.3	*0.090*	1.52 ± 0.30	*0.060 ± 0.012*	0.76	*0.030*
SCT No. 3	11.6	*0.455*	2.5	*0.100*	2.29 ± 0.30	*0.090 ± 0.012*	1.40	*0.055*
SCT No. 4	17.8	*0.700*	4.4	*0.175*	2.54 ± 0.30	*0.100 ± 0.012*	1.52	*0.060*

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

Ordering information

Color	Black
Size selection	Always order the largest size that will shrink snugly over the component being covered.
Standard packaging	Cut pieces. See reverse for information on standard cut lengths.
Marking	Tubing will be marked with the number size (for example, SCT-1, SCT-2, SCT-3, SCT-4).
Ordering description	Specify product name, size, and color, and cut length; for example, SCT-No.2-0-50MM (0=Black).

Specification values

	Property	Unit	Requirement	Method of test
Physical	Dimensions	mm *(inches)*	See reverse	ASTM D 2671
	Longitudinal change	percent	+0, –10	ASTM D 2671
	Tensile strength	psi	1500 minimum	ASTM D 2671
	Ultimate elongation	percent	300 minimum	ASTM D 2671
	Secant modulus (as supplied)	psi	35,000 minimum	ASTM D 2671
	Concentricity (as supplied)	percent	60 minimum	ASTM D 2671
	Heat shock (4 hours at 250°C/*482°F*)		No cracking, dripping or flowing of jacket	ASTM D 2671
Electrical	Dielectric strength (jacket only)	volts/mil	500 minimum	ASTM D 149
	Volume resistivity	ohm-cm	10^{13} minimum	ASTM D 257
	Immersion leak resistance	microamps	0.25 maximum	See note below
	Thermal aging (1000 hours at 150°C/*302°F*) Followed by test for:			See note below
	Immersion leak resistance	microamps	0.25 maximum	
	Thermal cycling 25 cycles (-40°C to 135°C/-40°F to *225°F*) Followed by test for:			See note below
	Immersion leak resistance	microamps	0.25 maximum	
Chemical	Fluid resistance (24 hours at 25°C/*77°F*) in: ASTM Reference Fuel C VV-F-800 Diesel Fuel (24 hours at 100°C/*212°F*) in: ASTM #3 Oil Followed by test for:			See note below
	Immersion leak resistance	microamps	0.25 maximum	

Note: Consult Raychem SCT SCD for specific details about test procedures.

Standard cut lengths

Part number	Standard cut length	Cut length tolerance
SCT No. 1	27 mm, 50 mm, 65 mm 1220 mm	± 1.5 mm ± 25.4 mm
SCT No. 2	27 mm, 50 mm, 65 mm 1220 mm	± 1.5 mm ± 25.4 mm
SCT No. 3	27 mm, 65 mm, 75 mm 1220 mm	± 1.5 mm ± 25.4 mm
SCT No. 4	27 mm, 75 mm, 90 mm 1220 mm	± 1.5 mm ± 25.4 mm

Users should independently evaluate the suitability of the product for their application.

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For more information about this product visit www.tycoelectronics.com

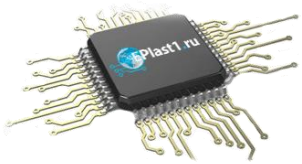
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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