

### Semirigid, Flame-Retardant, **Polyolefin Tubing**

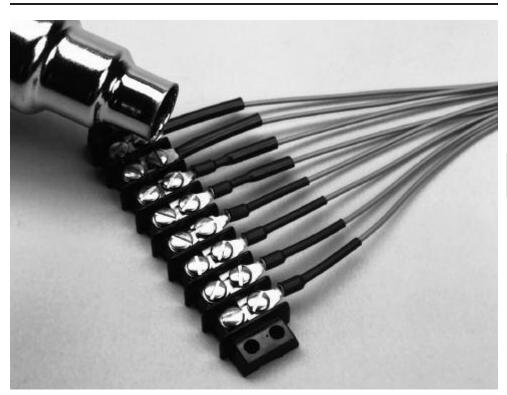
#### **Product Facts**

- 2:1 shrink ratio
- High abrasion resistance
- Transfer of flex stress away from typically weak points such as solder and crimp joints, helping ensure a reliable connection
- Flame-retardance (colors only)
- Outstanding physical and electrical performance
- Excellent chemical and solvent-resistance properties



# Raychem

### CRN



#### Applications

Ideally suited for wire strain-relief applications such as soldered or crimped connections, wire splices, and terminations. Provides mechanical protection for delicate components. Can be used for component packaging and for rugged marking of cables.

#### Installation

Minimum shrink temperature: 110°C [230°F] Minimum full recovery temperature: 135°C [275°F]

#### **Operating Temperature Range** -55°C to 135°C [-67°F to 275°F]

#### Specifications/Approvals

Series	UL 쬤	csa 🚯	Military	Raychem
CRN Type 1 (colors)	E35586 600 V, 125°C	LR31929 (black only) 600 V, 125°C	AMS-DTL-23053/6*, Class I Def. Stan. 59-97 Type 2C (not red)	RT-360, Type 1 RK-6003
CRN Type 2 (clear)	_	_	AMS-DTL-23053/6*, Class 2	RT-360, Type 2

\*Formerly MIL-I-23053/6 and MIL-DTL-23053/6.

	Available in:	Americas	Europe	Asia Pacific	
					3-11
Catalog 1654025 Revised 12-04	Dimensions are in millimeters and inches unless otherwise specified. Values in brackets	Dimensions are shown for reference purposes only. Specifications subject	USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926	South America: 55-11-3611-1514 Japan: 81-44-900-5102 Singapore: 65-4866-151	
www.tycoelectronics.com	are U.S. equivalents.	to change.	C. America: 52-55-5-729-0425	UK: 44-1793-528171	



## Single Wall Tubing

**CRN** (Continued)

#### **Product Dimensions**

Size	Inside [	Recovered Wall	
	Minimum Expanded as Supplied	Maximum Recovered After Heating	Thickness** After Heating
3/64	1.2 [0.046]	0.6 [0.023]	0.51 ± 0.08 [0.020 ± 0.003]
1/16	1.6 [0.063]	0.8 [0.031]	0.51 ± 0.08 [0.020 ± 0.003]
3/32	2.4 [0.093]	1.2 [0.046]	0.51 ± 0.08 [0.020 ± 0.003]
1/8	3.2 [0.125]	1.6 [0.062]	0.51 ± 0.08 [0.020 ± 0.003]
3/16	4.8 [0.187]	2.4 [0.093]	0.64 ± 0.08 [0.025 ± 0.003]
1/4	6.4 [0.250]	3.2 [0.125]	0.64 ± 0.08 [0.025 ± 0.003]
3/8	9.5 [0.375]	4.8 [0.187]	0.76 ± 0.08 [0.030 ± 0.003]
1/2	12.7 [0.500]	6.4 [0.250]	0.76 ± 0.08 [0.030 ± 0.003]
3/4	19.1 [0.750]	9.5 [0.375]	0.89 ± 0.12 [0.035 ± 0.005]

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

#### **Ordering Information**

Color	Standard	Black (-0)	
	Nonstandard	Clear (-X, not flame-retardant)	
Size selection	Always order the largest size that will shrink snugly over the component to be covered. Special order sizes are available upon request.		
Standard packaging	In 1.2-meter [4-foot] lengths.		
Ordering description***	Specify product name, size and color (for example, CRN 1/4-0).		
***Europe only. For supply	to MIL. Def Stan and BS	add -MS, -DS or -BS to ordering description.	

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