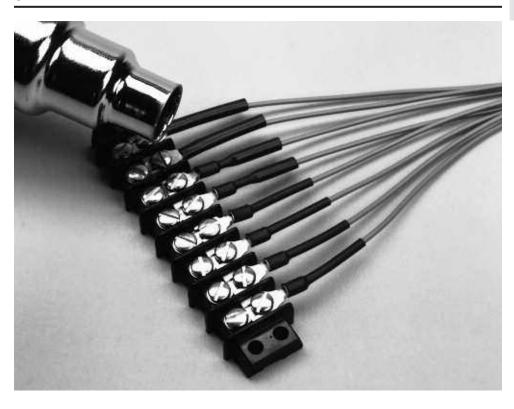


### CRN

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 (black only)
- Outstanding physical and electrical performance
- Excellent chemical and solvent-resistance properties
- RoHS compliant



### **Applications**

Well-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 <b>9</b> 11	CSA 🚯	Military	Raychem
CRN Type 1 (black)	E35586 600 V, 125°C	LR31929 (black only) 600 V, 125°C	AMS-DTL-23053/6*, Class I	RT-360, Type 1 RK-6003
CRN Type 2 (clear)	_	_	AMS-DTL-23053/6*, Class 2	RT-360, Type 2

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

Available in:	Americas	Europe	Asia Pacific	
			•	



## **RAYCHEM Tubing Products**

## CRN (Continued)

## **Product Dimensions**

	Inside I	Recovered Wall Thickness**	
Size	Minimum Expanded as Supplied	Maximum Recovered After Heating	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]	$0.51 \pm 0.08 [0.020 \pm 0.003]$
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]	$0.76 \pm 0.08  [0.030 \pm 0.003]$
1/2	12.7 [0.500]	6.4 [0.250]	$0.76 \pm 0.08  [0.030 \pm 0.003]$
3/4	19.1 [0.750]	9.5 [0.375]	$0.89 \pm 0.12 [0.035 \pm 0.005]$

<sup>\*\*</sup>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).		

<sup>\*\*\*</sup>Europe only. For supply to MIL spec., add -MS to ordering description.

# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity: CRN-3/8-0-180MM