

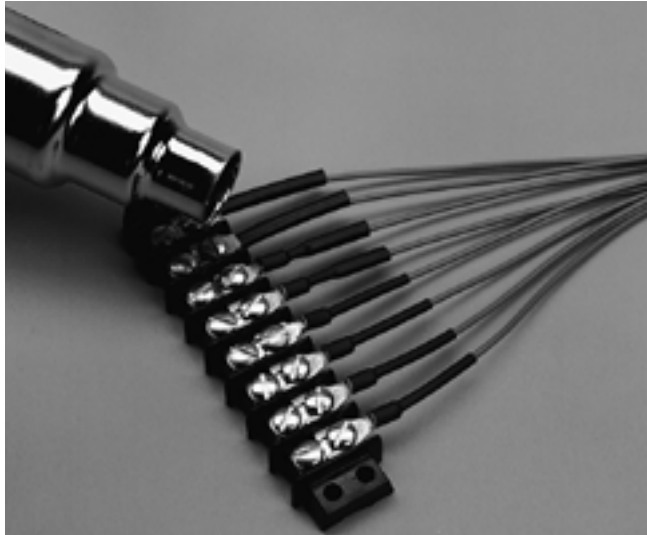
# CRN

Semirigid flame-retardant polyolefin tubing

Fax-on-Demand: (800) 260-9099  
(650) 361-6523

FAX ID	Description
2020	Data sheet
2021	RT-360

Before ordering check with factory for most current data.



### 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.

### Operating Temperature Range

-55°C to 135°C

### Features/Benefits

- 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.

### Installation

Minimum shrink temperature: 110°C

Minimum full recovery temperature: 135°C

### Specifications/Approvals



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

\*Formerly MIL-I-23053/6.

### Product Dimensions (mm/in)

Size	Inside diameter		Wall thickness Recovered after heating**	Size	Inside diameter		Wall thickness Recovered after heating**
	Minimum expanded as supplied	Maximum recovered after heating			Minimum expanded as supplied	Maximum recovered after heating	
3/64	1.2 (.046)	0.6 (.023)	.51 ±.08 (.020 ±.003)	1/4	6.4 (.250)	3.2 (.125)	0.64 ±.08 (.025 ±.003)
1/16	1.6 (.063)	0.8 (.031)	.51 ±.08 (.020 ±.003)	3/8	9.5 (.375)	4.8 (.187)	0.76 ±.08 (.030 ±.003)
3/32	2.4 (.093)	1.2 (.046)	.51 ±.08 (.020 ±.003)	1/2	12.7 (.500)	6.4 (.250)	0.76 ±.08 (.030 ±.003)
1/8	3.2 (.125)	1.6 (.062)	.51 ±.08 (.020 ±.003)	3/4	19.1 (.750)	9.5 (.375)	0.89 ±.12 (.035 ±.005)
3/16	4.8 (.187)	2.4 (.093)	.64 ±.08 (.025 ±.003)	1	25.4 (1.000)	12.7 (.500)	1.02 ±.12 (.040 ±.005)

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

### Ordering Information

Color	Standard	Black (-0), clear (-X, not flame-retardant)
	Nonstandard	White (-9), red (-2), blue (-6), yellow (-4), green (-5), brown (-1), orange (-3), violet (-7), gray (-8)
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).	