

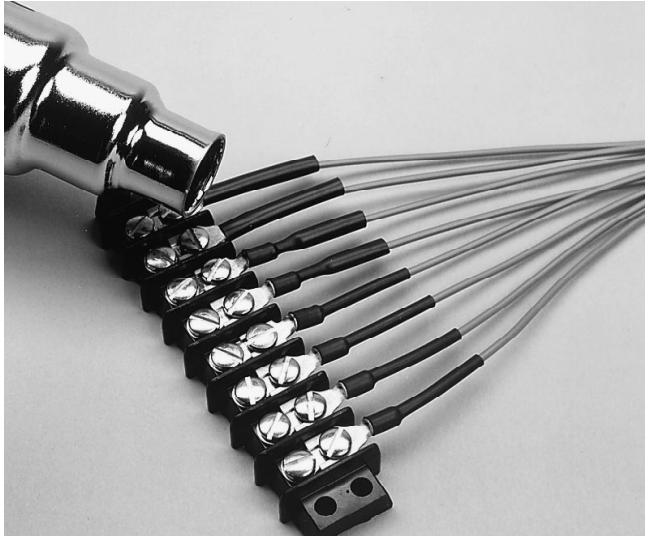
# CRN

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<br>600 V, 125°C | LR31929 (black only)<br>600 V, 125°C | MIL-DTL-23053/6*, Class I<br>Def. Stan. 59-97 Type 2C (not red) | RT-360, Type 1<br>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<br>Recovered after heating** | Size | Inside diameter              |                                 | Wall thickness<br>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).   |   |