

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

**Before ordering check with
factory for most current data.**

| FAX ID | Description |
|--------|-------------|
| 2180 | Data sheet |
| 2181 | RW-3008 |

SCL

Semirigid encapsulant-lined polyolefin tubing

Applications

Encapsulates components, splices, and terminations where moisture resistance and mechanical protection are required. Encapsulant melts and flows to fill surface irregularities of the substrate. While still hot, the tubing can be blocked to form a wire breakout.

Operating Temperature Range

-55°C to 110°C

Features/Benefits

- 3:1 shrink ratio.
- Splash-resistant, moisture-resistant covering; not intended for use where immersion in fluids is required.
- Rugged protection against abrasion, vibration, and flexing.
- Excellent strain relief and insulation of weak points.

Installation

Minimum shrink temperature: 125°C

Minimum full recovery temperature: 135°C



Specifications/Approvals



| Series | UL | Military | Raychem |
|--------|------------------------|---------------------------|---------|
| SCL | E85381 600 V, 125°C | MIL-DTL-23053/4*, Class 1 | RW-3008 |

*Formerly MIL-I-23053/4.

Product Dimensions (mm/in)

| Size | Additional standard color | Inside diameter | | Recovered wall thickness** | |
|------|---------------------------|------------------------------|---------------------------------|----------------------------|-----------------------|
| | | Minimum expanded as supplied | Maximum recovered after heating | Total wall | Nominal meltable wall |
| 1/8 | Brown | 3.2 (.125) | 0.6 (.023) | 0.96 ±.15 (.038 ±.006) | 0.51 (.020) |
| 3/16 | Gray | 4.8 (.187) | 1.5 (.060) | 1.09 ±.15 (.043 ±.006) | 0.64 (.025) |
| 1/4 | White | 6.4 (.250) | 2.0 (.080) | 1.19 ±.15 (.047 ±.006) | 0.69 (.027) |
| 3/8 | Red | 9.5 (.375) | 3.4 (.135) | 1.27 ±.18 (.050 ±.007) | 0.76 (.030) |
| 1/2 | Blue | 12.7 (.500) | 5.0 (.195) | 1.39 ±.18 (.050 ±.007) | 0.89 (.035) |
| 3/4 | Yellow | 19.1 (.750) | 8.0 (.313) | 1.65 ±.18 (.065 ±.007) | 1.02 (.040) |
| 1 | N/A | 25.4 (1.000) | 10.2 (.400) | 1.90 ±.18 (.075 ±.007) | 1.02 (.040) |

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

Ordering Information

| | | |
|----------------------|---|--|
| Color | Standard | Black (-0) for all sizes, plus one additional color per size per Product Dimensions table. |
| 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, SCL 1/4-0). | |