

## SST/SST-FR

### Self-Sealing, Heat-Shrinkable Tubing

#### Product Facts

- Thick adhesive liner forms an effective barrier against fluids and moisture
- Thick-wall insulation, strain relief and abrasion protection
- No need for greases, tape, or epoxy
- Expansion ratios as high as 3:1
- Available in flame-retardant material
- SST has the following agency approvals:
  - ABS (American Bureau of Shipping)
  - Lloyd's (Lloyd's Register of Shipping)
- RoHS compliant



#### Applications

SST provides a simple, positive splice-sealing method that offers protection under adverse environmental conditions. Tubing supplied with standard sealant provides water sealing and environmental protection in wet or underground applications. The thermoplastic adhesive not only seals, but also provides mechanical strain

relief. The polymer tubing has excellent insulating, abrasion-resistance, and strain-relief properties.

#### Installation

Minimum shrink temperature: 90°C [195°F]

Minimum full recovery temperature: 121°C [250°F]

#### Operating Temperature Range

-55°C to 110°C  
[-67°F to 230°F]

#### Specifications/Approvals

| Series | Military                              | Industry               | Agency       | Raychem |
|--------|---------------------------------------|------------------------|--------------|---------|
| SST    | —                                     | —                      |              | RW-2011 |
| SST-FR | AMS-DTL-23053/15*,<br>Classes 1 and 2 | ASTM D 685, nonburning | ABS, Lloyd's | RW-2011 |

\*Formerly MIL-I-23053/15 and MIL-DTL-23053/15.

## SST/SST-FR (Continued)

### Product Dimensions

| Size†   | Standard Nominal Length | Inside Diameter              |                                 | Wall Thickness |                              | Recommended Cable Range for 600-Volt Cable |
|---------|-------------------------|------------------------------|---------------------------------|----------------|------------------------------|--------------------------------------------|
|         |                         | Minimum Expanded as Supplied | Maximum Recovered After Heating | Expanded       | Nominal Wall After Heating†† |                                            |
| SST*-03 | 30**, 48                | 0.300                        | 0.100                           | 0.025          | 0.070                        | 18 through 14 AWG                          |
| SST*-04 | 30**, 48                | 0.400                        | 0.150                           | 0.025          | 0.070                        | 14 through 10 AWG                          |
| SST*-07 | 48                      | 0.750                        | 0.220                           | 0.030          | 0.095                        | 8 through 1 AWG                            |
| SST*-11 | 48                      | 1.100                        | 0.375                           | 0.040          | 0.120                        | 2 through 4/0 AWG                          |
| SST*-13 | 48                      | 1.300                        | 0.375                           | 0.035          | 0.120                        | 2 through 4/0 AWG                          |
| SST*-15 | 48                      | 1.500                        | 0.500                           | 0.050          | 0.140                        | 2/0 AWG through 500 MCM                    |
| SST*-17 | 48                      | 1.700                        | 0.500                           | 0.045          | 0.140                        | 2/0 AWG through 500 MCM                    |
| SST*-20 | 48                      | 2.000                        | 0.750                           | 0.050          | 0.160                        | 350 MCM through 1000 MCM                   |
| SST*-27 | 48                      | 2.700                        | 0.900                           | 0.050          | 0.160                        | 500 MCM through 1250 MCM                   |
| SST*-30 | 48                      | 3.000                        | 1.250                           | 0.050          | 0.160                        | 900 MCM through 1500 MCM                   |
| SST*-40 | 48                      | 4.000                        | 1.750                           | 0.050          | 0.160                        | 1500 MCM through 2500 MCM                  |
| SST*-45 | 48                      | 4.500                        | 1.750                           | 0.050          | 0.160                        | 1500 MCM through 2500 MCM                  |

†In place of asterisk\* substitute length of tubing to be ordered. For example, SST\*-11, as the second column indicates, comes in 48-inch lengths, so a 48-inch cut piece of SST tubing would be SST 48-11.

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

\*\*30-inch length standard for /226 coating only.

### Ordering Information

| Color                | Standard                                                                                                                                | Black                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|                      | Nonstandard                                                                                                                             | White, Red, Yellow and Clear (Clear is non-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   | See Product Dimensions table.                                                                                                           |                                                             |
| Ordering description | Specify product name, cut length, size and color (for example, SST 48-07/FR/97).                                                        |                                                             |

### Part Numbering System



Example: SST-48-07/FR/97/NM

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