

## RNF-3000

**Flexible, High-Shrink-Ratio, Flame-Retardant, General Purpose, Polyolefin Tubing**

### Product Facts

- 3:1 shrink ratio easily accommodates awkward, irregular shapes
- Few sizes cover a wide range of diameters, allowing reduced inventory
- Excellent physical, chemical, and electrical properties meet industry standards for highly reliable, general purpose tubing
- Flame-retardant (colors only)
- RoHS compliant



### Applications

Used for insulation and strain relief of wire terminations and electrical connections. Also suitable for light-duty harnessing, jacketing, and identification of wires, cables, and electrical and electronic components.

### Installation

Minimum shrink temperature: 80°C [176°F]  
 Minimum full recovery temperature: 120°C [248°F]

### Operating Temperature Range

-55°C to 135°C  
 [-67°F to 275°F]

### Specifications/Approvals

| Series   | UL  | CSA  | Military   | Industry                         | Raychem |
|----------|--|---|--|----------------------------------|---------|
| RNF-3000 | E35586<br>600 V, 125°C   | LR31929<br>600 V, 125°C   | Def. Stan. 59-97 Type 2B<br>VG 95343 Pt 5 Type A (color)<br>VG 95343 Pt 5 Type B (clear) | VDE 0341 Pt 9005<br>Type A and B | RW-2053 |

| Available in: | Americas | Europe | Asia Pacific |
|---------------|----------|--------|--------------|
|               | ■        | ■      | ■            |

**RNF-3000** (Continued)

**Product Dimensions**

| Size    | Inside Diameter              |                                 | Recovered Wall Thickness*   |
|---------|------------------------------|---------------------------------|-----------------------------|
|         | Minimum Expanded as Supplied | Maximum Recovered After Heating | After Heating               |
| 1.5/0.5 | 1.5 [0.060]                  | 0.5 [0.019]                     | 0.45 ± 0.10 [0.018 ± 0.003] |
| 3/1     | 3 [0.118]                    | 1 [0.039]                       | 0.55 ± 0.10 [0.022 ± 0.003] |
| 4.5/1.5 | 4.5 [0.177]                  | 1.5 [0.059]                     | 0.55 ± 0.10 [0.022 ± 0.003] |
| 6/2     | 6 [0.236]                    | 2 [0.079]                       | 0.65 ± 0.10 [0.026 ± 0.003] |
| 9/3     | 9 [0.354]                    | 3 [0.118]                       | 0.75 ± 0.12 [0.030 ± 0.004] |
| 12/4    | 12 [0.472]                   | 4 [0.157]                       | 0.75 ± 0.12 [0.030 ± 0.004] |
| 18/6    | 18 [0.709]                   | 6 [0.236]                       | 0.85 ± 0.12 [0.033 ± 0.004] |
| 24/8    | 24 [0.944]                   | 8 [0.315]                       | 1.00 ± 0.18 [0.039 ± 0.007] |
| 39/13   | 39 [1.534]                   | 13 [0.512]                      | 1.15 ± 0.20 [0.045 ± 0.008] |

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

**Ordering Information**

|                          |   |  |
|--------------------------|---|--|
| Color                    | Standard**  | Black (-0), white (-9), red (-2), blue (-6), yellow (-4), clear (-X) |
|                          | Nonstandard   | Brown (-1), orange (-3), green (-5), 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***    | On spools or in 1.2-meter [4-foot] lengths.   |  |
| Ordering description**** | Specify product name, size and color (for example, RNF-3000 6/2-0).   |  |

\*\*Black is the only standard color in the Americas. All other colors are nonstandard.

\*\*\*Only spools are standard in the Americas. 1.2 meter [4-foot] lengths are nonstandard.

\*\*\*\*Europe only. For supply to Def Stan and BS add -DS or -BS to ordering description.

# Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[RNF-3000-12/4-0-SP](#)