

RNF-150

**High-Performance,
Flame-Resistant, Flexible,
Fluoropolymer Tubing**

Product Facts

- 2:1 shrink ratio
- Approximately 40 percent thinner walls than most general purpose polyolefin tubings
- High flame-resistance
- Excellent physical and electrical properties after exposure to many chemicals and solvents at 50°C [122°F] (but not recommended for use in direct contact with ketones)
- Recommended maximum temperature for use as a primary insulator: 135°C [275°F]
- RoHS compliant



Applications

Can be used for jacketing and bundling of wires to form light-duty harnesses, especially where a low profile, abrasion resistance, and flexibility are needed. Can also be used to provide insulation and strain relief of electrical connections and wire terminations, identification of wires, and packaging of components.


Installation

Minimum shrink temperature: 110°C [230°F]
Minimum full recovery temperature: 150°C [302°F]

Operating Temperature Range

-55°C to 150°C
[-67°F to 302°F]

Specifications/Approvals

| Series | UL  | Military | Raychem |
|---------|--|-------------------------------|---------|
| RNF-150 | E35586 VW-1 600 V, 150°C | AMS-DTL-23053/18*, Class 2 | RT-370 |

*Formerly MIL-I-23053/18 and MIL-DTL-23053/18.

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

RNF-150 (Continued)

Product Dimensions

| Size | Inside Diameter | | Recovered Wall Thickness** |
|------|------------------------------|---------------------------------|-----------------------------|
| | Minimum Expanded as Supplied | Maximum Recovered After Heating | After Heating |
| 3/64 | 1.2 [0.046] | 0.6 [0.023] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 1/16 | 1.6 [0.063] | 0.8 [0.031] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 3/32 | 2.4 [0.093] | 1.2 [0.046] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 1/8 | 3.2 [0.125] | 1.6 [0.062] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 3/16 | 4.8 [0.187] | 2.4 [0.093] | 0.25 ± 0.05 [0.010 ± 0.002] |
| 1/4 | 6.4 [0.250] | 3.2 [0.125] | 0.30 ± 0.08 [0.012 ± 0.003] |
| 3/8 | 9.5 [0.375] | 4.8 [0.187] | 0.30 ± 0.08 [0.012 ± 0.003] |
| 1/2 | 12.7 [0.500] | 6.4 [0.250] | 0.30 ± 0.08 [0.012 ± 0.003] |
| 3/4 | 19.1 [0.750] | 9.5 [0.375] | 0.43 ± 0.08 [0.017 ± 0.003] |
| 1 | 25.4 [1.000] | 12.7 [0.500] | 0.48 ± 0.08 [0.019 ± 0.003] |

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

Ordering Information

| | | |
|-------------------------|---|------------|
| Color | Standard | Black (-0) |
| | Nonstandard | White (-9) |
| 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. | |
| Ordering description*** | Specify product name, size and color (for example, RNF-150 1/4-0). | |

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