

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

Before ordering check with factory for most current data.

FAX ID	Description
2130	Data sheet
2131	RW-3016

RNF-150

High-performance, flame-resistant, flexible fluoropolymer tubing

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.

Operating Temperature Range

-55°C to 150°C

Features/Benefits

- 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 (but not recommended for use in direct contact with ketones).
- Recommended maximum temperature for use as a primary insulator: 135°C.

Installation

Minimum shrink temperature: 110°C

Minimum full recovery temperature: 150°C



Specifications/Approvals



Series	UL	CSA	Military	Raychem
RNF-150	E85381 VW-1 600 V, 150°C	LR31929 OFT 600 V, 150°C	MIL-DTL-23053/18*, Class 2	RW-3016

*Formerly MIL-I-23053/18.

Product Dimensions (mm/in)

Size	Inside diameter			Size	Inside diameter		
	Minimum expanded as supplied	Maximum recovered after heating	Wall thickness Recovered after heating**		Minimum expanded as supplied	Maximum recovered after heating	Wall thickness Recovered after heating**
3/64	1.2 (.046)	0.6 (.023)	.25 ±.05 (.010 ±.002)	1/4	6.4 (.250)	3.2 (.125)	.30 ±.08 (.012 ±.003)
1/16	1.6 (.063)	0.8 (.031)	.25 ±.05 (.010 ±.002)	3/8	9.5 (.375)	4.8 (.187)	.30 ±.08 (.012 ±.003)
3/32	2.4 (.093)	1.2 (.046)	.25 ±.05 (.010 ±.002)	1/2	12.7 (.500)	6.4 (.250)	.30 ±.08 (.012 ±.003)
1/8	3.2 (.125)	1.6 (.062)	.25 ±.05 (.010 ±.002)	3/4	19.1 (.750)	9.5 (.375)	.43 ±.08 (.017 ±.003)
3/16	4.8 (.187)	2.4 (.093)	.25 ±.05 (.010 ±.002)	1	25.4 (1.000)	12.7 (.500)	.48 ±.08 (.019 ±.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).