

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

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

FAX ID	Description
2150	Data sheet
2151	RW-3018

## RP-4800

High-shrink-ratio, flame-retardant polyolefin tubing

### Applications

Ideal for repairing harnesses or cables; will pass over a large-diameter connector or transition, and then shrink down onto a smaller-diameter jacket. Can insulate or protect a substrate of varying dimensions. Also provides the abrasion- and fluid-resistance required in harnessing applications.

### Operating Temperature Range

-55°C to 135°C

### Features/Benefits

- 4:1 shrink ratio.
- Conforms well to highly variable substrate dimensions.
- Has excellent physical, chemical, and electrical properties that meet or exceed industrial and military standards.
- Shows no significant degradation when exposed to common solvents and chemicals, including aviation fuel and hydraulic fluid.

### Installation

Minimum shrink temperature: 95°C

Minimum full recovery temperature: 121°C



### Specifications/Approvals



Series	UL	Military	Industry	Raychem
RP-4800	E35586	MIL-DTL-23053/5*, Class 1 Overexpanded VG 95343 Pt 5 Type A	VDE 0341 Pt 9005 Type A	RW-3018

\*Formerly MIL-I-23053/5.

### Product Dimensions (mm/in)

Size	Inside diameter		Wall thickness	
	Minimum expanded as supplied	Maximum recovered after heating	Recovered after heating**	
No. 1	25.4 (1.000)	7.0 (.275)	1.14 ±.18	(.045 ±.007)
No. 2	50.8 (2.000)	14.0 (.550)	1.14 ±.18	(.045 ±.007)
No. 3	76.2 (3.000)	20.6 (.810)	1.14 ±.18	(.045 ±.007)
No. 4	101.6 (4.000)	26.7 (1.050)	1.14 ±.18	(.045 ±.007)
No. 5	25.4 (1.000)	11.7 (.462)	1.14 ±.18	(.045 ±.007)
No. 6	60.3 (2.375)	17.3 (.680)	1.14 ±.18	(.045 ±.007)
No. 7	76.2 (3.000)	21.3 (.840)	1.14 ±.18	(.045 ±.007)
No. 8	95.3 (3.750)	23.6 (.930)	1.14 ±.18	(.045 ±.007)
No. 9	114.3 (4.500)	36.8 (1.450)	1.14 ±.18	(.045 ±.007)
No. 10	38.1 (1.500)	9.5 (.375)	1.14 ±.18	(.045 ±.007)
No. 11	19.1 (0.750)	4.6 (.180)	1.14 ±.18	(.045 ±.007)

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

### Ordering Information

Color	Standard	Black (-0)
	Nonstandard	White (-9), red (-2), blue (-6), yellow (-4), green (-5), brown (-1), orange (-3), 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, RP-4800 No. 1-0).	

Users should independently evaluate the suitability of the product for their application.