

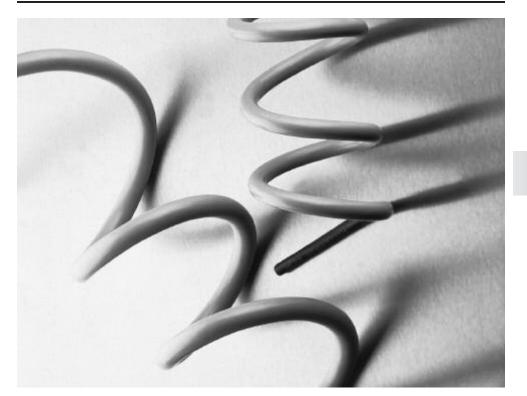
# Special Purpose Tubing

SRFR

Highly Flexible, Silicone Rubber Tubing

**Product Facts** 

- Highly flame-retardant
- Extremely flexible at high and low temperatures
- Shrink ratio 1.5:1 minimum except sizes 4/2.9 and 29/20





# Applications

Highly flexible and resistant to high and low temperatures. Unlike other silicone materials, SRFR displays outstanding physical strength. It resists extreme heat shocks, and exhibits good thermal insulation. SRFR is nonburning and has outstanding ablative properties as well as excellent physical and electrical properties. SRFR is used in medical equipment where its key

properties are outstanding flexibility and ability to withstand exposure to sterilization conditions. Other applications include thyristor power cable insulation, heating element and bus bar insulation, fiber optic bundle sheathing, and rocketry support cable protection.

### Installation

Minimum shrink temperature: 135°C [275°F] Minimum full recovery temperature: 175°C [347°F]

#### **Operating Temperature Range**

-75°C to 200°C [-103°F to 392°F]

#### Specifications/A

Specifications/Approvals		Series		UL 🔊	Raychem	-
		SRFR		E85381 VW-1 600V, 200°C	RT-1142 RW- 2057	-
		Available in:	Americas	Europe	Asia Pacific	
						0.444
Catalog 1654025 Revised 12-04 www.tycoelectronics.com	and incl specifie	ions are in millimeters nes unless otherwise d. Values in brackets equivalents.	Dimensions are shown for reference purposes only. Specifications subject to change.	USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-5-729-0425	South America: 55-11-3611-1514 Japan: 81-44-900-5102 Singapore: 65-4866-151 UK: 44-1793-528171	3-111

Heat-Shrinkable Tubing



SRFR (Continued)

Size	Inside [	Recovered Wall	
	Minimum Expanded as Supplied	Maximum Recovered After Heating	Thickness** After Heating (Nominal)
2.9/1.7	2.9 [0.114]	1.7 [0.067]	1.0 ± 0.50 [0.039 ± 0.020]
4/2.9	4.0 [0.158]	2.9 [0.114]	1.0 ± 0.50 [0.039 ± 0.020]
7.8/4.6	7.8 [0.307]	4.6 [0.181]	1.0 ± 0.50 [0.039 ± 0.020]
10/6.5	10.0 [0.394]	6.5 [0.256]	1.5 ± 0.50 [0.059 ± 0.020]
15/9.6	15.0 [0.591]	9.6 [0.378]	1.5 ± 0.50 [0.059 ± 0.020]
21/13	21.0 [0.827]	13.0 [0.512]	2.0 ± 0.75 [0.079 ± 0.030]
29/20	29.0 [1.142]	20.0 [0.787]	2.0 ± 0.75 [0.079 ± 0.030]
41/27	41.0 [1.614]	27.0 [1.063]	3.0 ± 1.00 [0.118 ± 0.039]
51/33	51.0 [2.008]	33.0 [1.299]	3.0 ± 1.00 [0.118 ± 0.039]

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

# **Ordering Information**

Color	Standard	Gray (-8)	
Size selection	Always order the largest size that will shrink snugly over the component to be covered.		
Standard packaging	On spools.		
Ordering description Specify product nar		ame, size and color (for example, SRFR 2.9/1.7-8).	

Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are U.S. equivalents.

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