

- Operating temperature range
-75°C to +200°C
- Highly flame retarded
- Extremely flexible at high
and low temperatures
- Shrink ratio 1.5:1 min except sizes
4.0/2.9 and 29/20

SRFR

Silicone rubber, highly flexible,
heat-shrinkable tubing

Raychem SRFR silicone rubber tubing is highly flexible and resistant to high and low temperatures. Unlike other silicone materials, SRFR tubing displays outstanding physical strength. The tubing resists extreme heat shocks, and exhibits good thermal insulation.

SRFR tubing is non-burning and has outstanding ablative properties as well as an excellent balance of physical and electrical properties. The standard colour is grey. Thermofit® SRFR tubing is used in medical equipment where its key properties are outstanding flexibility and its ability to withstand exposure to sterilisation conditions. Other applications

include thyristor power cable insulation, heating element and bus bar insulation, fibre optic bundle sheathing and rocketry support cable protection.

Temperature rating

Operating temperature range:	-75°C to +200°C
Minimum shrink temperature:	+135°C
Minimum full recovery temperature:	+175°C

Ordering information



Inside diameter		Wall thickness	Standard package		
D (min) Expanded as supplied	d (max) Recovered after heating	W (nom) Recovered after heating	Spool quantity	Weight	Ordering description
mm	mm	mm	m	g/m	
2.9	1.7	1.0	50	10	SRFR-2.9/1.7-8
4.0	2.9	1.0	50	15	SRFR-4/2.9-8
7.8	4.6	1.0	50	21	SRFR-7.8/4.6-8
10.0	6.5	1.5	30	43	SRFR-10/6.5
15.0	9.6	1.5	30	61	SRFR-15/9.6
21.0	13.0	2.0	30	108	SRFR-21/13
29.0	20.0	2.0	15	170	SRFR-29/20-8
41.0	27.0	3.0	15	324	SRFR-41/27-8
51.0	33.0	3.0	15	405	SRFR-51/33-8

The largest size which will recover snugly over the component to be covered should be ordered.
The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage.
For best results, store below 30°C.

Standard colours

Colour	Grey
Code	8

SRFR

Approvals

UL E85381 VW-1

Performance

Test	Test method	Test requirement	
Heat shock:	ASTM D2671 (4 h at 275°C)	No dripping, cracking or flowing	
Heat Ageing:	ISO 188 (168h at 200°C)	Tensile strength:	3.5 MPa (min)
		Ultimate elongation:	150% (min)
Dielectric strength:	IEC 243	10 MV/m	
Flammability:	ASTM D2671 (Procedure B)	Duration of burning 60 s	
Copper contact corrosion:	ASTM D2671 (168 h at 175°C)	Ultimate elongation:200% (min)	

For full product performance details consult Raychem Specification RW 2057.

Specifications

Raychem Specification RW 2057.
Material Safety Data Sheet available on request.
Installation instructions available on request.

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Tyco Electronics Raychem
305 Constitution Drive
Menlo Park, CA 94025
U.S.A
Tel: (650)-361 3860

Tyco/Electronics/Raychem
Cheney Manor Industrial Estate
Swindon, Wiltshire SN2 2QE
UK
Tel: (44)-1793 573762

Tyco/Electronics/Raychem
3816 Noborito, Tama-ku
Kawasaki 214-8533
Japan
Tel: (81)-44 9005102

Tyco/Electronics/Raychem
No. 26 Ang Mo Kio Ind. Park
Singapore 569507
Tel: (65)-4866151