



SFR

Very flexible, flame-retardant, silicone elastomer tubing



Applications

Provides cable jacketing, harness protection, and strain relief for electronic components, semiconductor leads, and wire splices. Ideal for applications that require flexibility over a wide range of operating temperatures.

Operating temperature range

-75°C to 180°C

Features and benefits

- Outstanding low-temperature flexibility.
- Resistance to hydraulic fluids, fuel, and lubricating oils.
- Very good ablative characteristics: when exposed to flame, surface turns to insulative char or “ablates.”

Installation

Minimum shrink temperature: 135°C

Minimum full recovery temperature: 175°C

<i>Available in:</i>	Americas	Europe	Asia Pacific
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<i>Specifications/approvals</i>		
Series	Military	Raychem
SFR	AMS-DTL-23053/10* MIL-PRF-46846, Type II, Class 1	RT-1140

*Formerly MIL-I-23053/10 and MIL-DTL-23053/10.

Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Fax ID

2190

2191

Description

Data sheet

RT-1 140

Visit our website at www.tycoelectronics.com**Product dimensions (mm/in)**

Size	Inside diameter		Recovered wall thickness**
	Minimum expanded as supplied	Maximum recovered after heating	After heating
1/4	6.4 (0.250)	3.6 (0.143)	0.88 ± 0.25 (0.035 ± 0.010)
3/8	9.5 (0.375)	5.4 (0.214)	1.02 ± 0.25 (0.040 ± 0.010)
1/2	12.7 (0.500)	7.3 (0.286)	1.21 ± 0.38 (0.048 ± 0.015)
5/8	15.9 (0.625)	9.1 (0.357)	1.32 ± 0.38 (0.052 ± 0.015)
3/4	19.1 (0.750)	10.9 (0.428)	1.44 ± 0.38 (0.057 ± 0.015)
7/8	22.2 (0.875)	12.7 (0.500)	1.65 ± 0.38 (0.065 ± 0.015)
1	25.4 (1.000)	14.5 (0.570)	1.77 ± 0.51 (0.070 ± 0.020)
1 1/4	31.8 (1.250)	18.1 (0.714)	2.21 ± 0.51 (0.087 ± 0.020)
1 1/2	38.1 (1.500)	21.8 (0.857)	2.41 ± 0.51 (0.095 ± 0.020)
1 3/4	44.5 (1.750)	25.4 (1.000)	2.71 ± 0.51 (0.107 ± 0.020)
2	50.8 (2.000)	29.0 (1.140)	2.79 ± 0.51 (0.110 ± 0.020)

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

Ordering information

Color	Standard	Black (-0)
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, SFR 1/4-0).	

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