

SFR

**Very Flexible,
Flame-Retardant,
Silicone Elastomer
Tubing**

Product Facts

- Outstanding low-temperature flexibility
- Resistance to hydraulic fluids, fuel, and lubricating oil
- Very good ablative characteristics: when exposed to flame, surface turns to insulative char or "ablates"
- RoHS compliant



Applications

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

Installation

Minimum shrink temperature: 135°C [285°F]
Minimum full recovery temperature: 175°C [347°F]

Operating Temperature Range

-75°C to 180°C
[-103°F to 356°F]

Specifications/Approvals

| Series | Military | TE |
|--------|-------------------|---------|
| SFR | AMS-DTL-23053/10* | RT-1140 |

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

| Available in: | Americas | Europe | Asia Pacific |
|---------------|----------|--------|--------------|
| | ■ | ■ | ■ |

SFR (Continued)

Product Dimensions

| Size | Inside Diameter | | Recovered Wall Thickness** After Heating |
|-------|---------------------------------|------------------------------------|---|
| | Minimum Expanded as Supplied | Maximum Recovered 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-SP). | |

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

Mouser Electronics

Authorized Distributor

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[SFR-3/4-0-SP](#)