

## Versafit

**Highly Flame-Retardant, Very Flexible, Low-Shrink-Temperature, Polyolefin Tubing**

### Product Facts

- 2:1 shrink ratio
- Low shrink temperature reduces installation time and the risk of damage to temperature-sensitive components
- Very flexible; doesn't easily wrinkle when bent
- Highly flame-retardant
- Hot stamps extremely well
- Higher temperature rating, better thermal stability, and higher resistance to physical abuse than noncrosslinked materials
- Free of polybrominated biphenyls (PBBs) and polybrominated biphenyl oxides and ethers (PBBOs and PBBEs), which are classified as environmentally hazardous substances
- RoHS compliant



### Applications

Cost-effective choice for many commercial and military applications; electrically insulates and protects in-line components, disconnect terminals, and splices. Bundles wires for very flexible light-duty harnesses. Strain-relieves electrical wire connections for commercial applications. Identifies or color-codes wires, cables, terminals, and components.

### Installation

Minimum shrink temperature: 70°C [158°F]  
Minimum full recovery temperature: 90°C [194°F]

### Operating Temperature Range

-55°C to 135°C  
[-67°F to 275°F]

### Specifications/Approvals

| Series   | UL                          | CSA                          | Military                          | Raychem |
|----------|-----------------------------|------------------------------|-----------------------------------|---------|
| Versafit | E35586 VW-1<br>600 V, 125°C | LR31929 VW-1<br>600 V, 125°C | AMS-DTL-23053/5*<br>Classes 1 & 3 | RW-3009 |

\*Formerly MIL-I-23053/5 and MIL-DTL-23053/5.

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

**Versafit** (Continued)

**Product Dimensions**

| Size     | Inside Diameter              |                                 | Recovered Wall Thickness**  |
|----------|------------------------------|---------------------------------|-----------------------------|
|          | Expanded as Supplied         | Maximum Recovered After Heating | After Heating               |
| 3/64     | 1.63 ± 0.2 [0.064 ± 0.008]   | 0.6 [0.023]                     | 0.40 ± 0.08 [0.016 ± 0.003] |
| 1/16     | 1.85 ± 0.2 [0.073 ± 0.008]   | 0.8 [0.031]                     | 0.43 ± 0.08 [0.017 ± 0.003] |
| 3/32     | 2.79 ± 0.2 [0.110 ± 0.008]   | 1.2 [0.046]                     | 0.51 ± 0.08 [0.020 ± 0.003] |
| 1/8      | 3.43 ± 0.2 [0.135 ± 0.008]   | 1.6 [0.062]                     | 0.51 ± 0.08 [0.020 ± 0.003] |
| 3/16     | 5.21 ± 0.3 [0.205 ± 0.010]   | 2.4 [0.093]                     | 0.51 ± 0.08 [0.020 ± 0.003] |
| 1/4      | 7.11 ± 0.3 [0.280 ± 0.010]   | 3.2 [0.125]                     | 0.64 ± 0.08 [0.025 ± 0.003] |
| 3/8      | 10.16 ± 0.4 [0.400 ± 0.015]  | 4.8 [0.187]                     | 0.64 ± 0.08 [0.025 ± 0.003] |
| 1/2      | 13.72 ± 0.4 [0.540 ± 0.015]  | 6.4 [0.250]                     | 0.64 ± 0.08 [0.025 ± 0.003] |
| 5/8***   | 16.90 ± 0.4 [0.665 ± 0.015]  | 8.0 [0.315]                     | 0.76 ± 0.08 [0.030 ± 0.003] |
| 3/4      | 20.45 ± 0.4 [0.805 ± 0.015]  | 9.5 [0.375]                     | 0.76 ± 0.08 [0.030 ± 0.003] |
| 1        | 26.80 ± 0.4 [1.055 ± 0.015]  | 12.7 [0.500]                    | 0.89 ± 0.12 [0.035 ± 0.005] |
| 1 1/4*** | 33.40 ± 0.7 [1.315 ± 0.025]  | 15.9 [0.625]                    | 1.02 ± 0.15 [0.040 ± 0.006] |
| 1 1/2    | 39.88 ± 0.8 [1.570 ± 0.030]  | 19.1 [0.750]                    | 1.02 ± 0.15 [0.040 ± 0.006] |
| 2        | 52.83 ± 1.0 [2.080 ± 0.040]  | 25.4 [1.000]                    | 1.14 ± 0.16 [0.045 ± 0.007] |
| 3        | 78.49 ± 1.0 [3.090 ± 0.040]  | 38.1 [1.500]                    | 1.27 ± 0.20 [0.050 ± 0.008] |
| 4        | 104.14 ± 1.3 [4.100 ± 0.050] | 50.8 [2.000]                    | 1.40 ± 0.23 [0.055 ± 0.009] |

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

\*\*\*Nonstandard size; available by special order only.

**Ordering Information**

|                           |   |   |
|---------------------------|---|---|
| Color                     | Standard  | Black (-0), white (-9), red (-2), blue (-6), yellow (-4)    |
|                           | Nonstandard   | Brown (-1), orange (-3), green (-5), 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.  |   |
| Ordering description***** | Specify product name, size and color (for example, Versafit 1/4-0).   |   |

\*\*\*\*Available in the convenient Mini-Spool packaging/dispensing system, for sizes 3/64" up to 1" (black only).

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