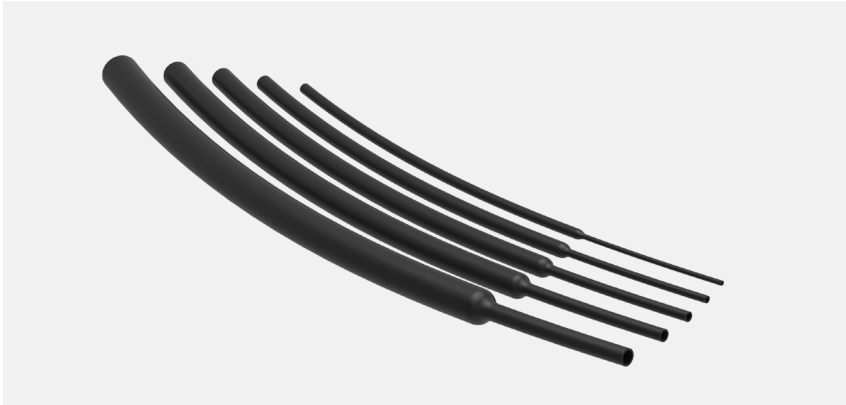


# VERSAFIT



## HIGHLY FLAME-RETARDANT, VERY FLEXIBLE, LOW-SHRINK- TEMPERATURE, POLYOLEFIN TUBING

### PRODUCT BENEFITS

- 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

Versafit heat-shrinkable tubing is a cost-effective choice for many commercial and military applications. Versafit tubing is made from a specially formulated, crosslinked polyolefin to provide high flameretardance (VW-1), excellent flexibility, and a low shrink temperature (to reduce installation time). Versafit tubing performs a variety of functions in commercial and military applications: Electrically insulates and protects in-line components, disconnect terminals, and splices. Bundles wires for very flexible light-duty harnesses. Identifies or color-codes wires, cables, terminals, and components. Versafit tubing hot-stamps extremely well. Compared to noncrosslinked materials, Versafit tubing has a higher temperature rating and exhibits better thermal stability and resistance to physical abuse. Unlike other typical flame-retardant tubings, Versafit tubing is free of polybrominated biphenyls (PBBs) and polybrominated biphenyl oxides and ethers (PBBOs/PBBEs). In Europe, these chemicals are classified as environmentally hazardous substances.

### TEMPERATURE RATING

- Continuous operating temperature from **-55°C up to +135°C**
- Minimum shrink temperature: **+70°C**
- Minimum full recovery temperature: **+90°C**

### SPECIFICATIONS

- UL: **E35586 VW-1, 600 V, 125°C**
- CSA: **LR31929 VW-1, 600 V, 125°C**
- Military: **AMS-DTL-23053/5\* Classes 1 & 3**
- Flammability Rating: **ASTM D2671, Proc. C; UL 224/CSA VW-1**

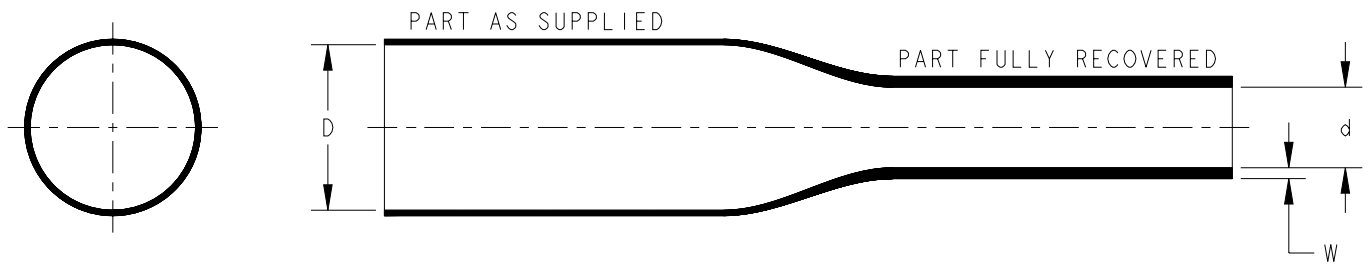
### MARKETS

- Aerospace

### TYPICAL APPLICATION

- Insulation and protection of in-line components, wire splices and terminations.
- Very flexible light-duty military and commercial harnessing. Use where a UL 224/ CSA VW-1 flame rating is Needed. Use where rapid installation is desirable.

## DIMENSIONS (MILLIMETERS/INCHES)



## VERSAFIT 2:1 RATIO STANDARD SIZES

SIZE	AS SUPPLIED		AS RECOVERED							
	INSIDE DIAMETER (D)		INSIDE DIAMETER MAXIMUM (d)		WALL THICKNESS (W)					
	mm	in			MINIMUM		MAXIMUM		NOMINAL	
	mm	in	mm	in	mm	in	mm	in	mm	in
3/64	1.63 ± 0.20	0.064 ± 0.008	0.58	0.023	0.32	0.013	0.48	0.019	0.40	0.016
1/16	1.85 ± 0.20	0.073 ± 0.008	0.79	0.031	0.35	0.014	0.51	0.020	0.43	0.017
3/32	2.79 ± 0.20	0.110 ± 0.008	1.17	0.046	0.43	0.017	0.59	0.023	0.51	0.020
1/8	3.43 ± 0.20	0.135 ± 0.008	1.57	0.062	0.43	0.017	0.59	0.023	0.51	0.020
3/16	5.21 ± 0.30	0.205 ± 0.012	2.36	0.093	0.43	0.017	0.59	0.023	0.51	0.020
1/4	7.11 ± 0.30	0.280 ± 0.012	3.17	0.125	0.56	0.022	0.72	0.028	0.64	0.025
3/8	10.16 ± 0.40	0.400 ± 0.016	4.74	0.187	0.56	0.022	0.72	0.028	0.64	0.025
1/2	13.72 ± 0.40	0.540 ± 0.016	6.35	0.250	0.56	0.022	0.72	0.028	0.64	0.025
5/8	16.90 ± 0.40	0.665 ± 0.016	8.00	0.315	0.68	0.027	0.84	0.033	0.76	0.030
3/4	20.45 ± 0.40	0.805 ± 0.016	9.52	0.375	0.68	0.027	0.84	0.033	0.76	0.030
1	26.80 ± 0.40	1.055 ± 0.016	12.70	0.500	0.76	0.030	1.01	0.040	0.88	0.035
1-1/4	33.40 ± 0.70	1.315 ± 0.028	15.88	0.625	0.86	0.034	1.17	0.046	1.01	0.040
1-1/2	39.88 ± 0.80	1.570 ± 0.031	19.05	0.750	0.86	0.034	1.17	0.046	1.01	0.040
2	52.83 ± 1.00	2.080 ± 0.039	25.40	1.000	0.96	0.038	1.32	0.052	1.14	0.045
3	78.49 ± 1.00	3.090 ± 0.039	38.10	1.500	1.17	0.046	1.47	0.058	1.32	0.052
4	104.14 ± 1.30	4.100 ± 0.051	50.80	2.000	1.17	0.046	1.63	0.064	1.39	0.055

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	<p>Specify product family, size/range, color, and package.</p> <p><b>VERSAFIT-X/X-X-X</b></p> <pre> graph TD     A[VERSAFIT-X/X-X-X] --&gt; B[Product Family]     A --&gt; C[Size/Range]     A --&gt; D[Color]     A --&gt; E[Package] </pre>

Are you looking to seal out moisture, offer enhanced strain relief, or provide rigorous mechanical protection? Do you need a flame retardant product? Leverage TE Connectivity's (TE) comprehensive portfolio of heat shrink tubing products in a wide range of applications.

## Learn more: [TE.com/heatshrinktubing](https://www.te-connectivity.com/heatshrinktubing)

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