

VERSAFIT V4



VERY-THIN-WALL, VERY FLEXIBLE, HIGHLY FLAME-RETARDANT, POLYOLEFIN TUBING

PRODUCT BENEFITS

- 2:1 shrink ratio
- Very thin wall provides space savings and rapid shrinking
- Low shrink temperature further reduces installation time and risk of damage to temperature-sensitive components
- Very flexible; doesn't easily wrinkle when bent
- Free of polybrominated biphenyls (PBBs) and polybrominated biphenyl oxides and ethers (PBBOs and PBBEs), which are classified as environmentally hazardous substances
- RoHS compliant

Versafit V4 heat-shrinkable tubing is a cost-effective, environmentally friendly choice for many commercial applications. Versafit V4 tubing is a very thin-wall version of Versafit, a specially formulated polyolefin with low recovery temperature, excellent flexibility, and high flameretardance (VW-1). Versafit V4 tubing is typically applied where space savings is important, offering the ability to pack components more closely than is possible with standard tubings. Versafit V4 tubing can shrink more than twice as fast as standard products. This rapid shrinking may be important in the prevention of overheating of temperature-sensitive components. Unlike other typical flame-retardant tubings, Versafit V4 tubing is free of polybrominated biphenyls (PBBs) and polybrominated biphenyl oxides (PBBOs). In Europe, these chemicals are classified as environmentally hazardous substances. Versafit V4 products are UL-recognized at 125°C, 300 V, and CSA-certified at 125°C, 150 V, with UL VW-1 and CSA OFT flame-retardancy ratings.

TEMPERATURE RATING

- Continuous operating temperature from **-30°C up to +125°C**
- Minimum shrink temperature: **+70°C**
- Minimum full recovery temperature: **+90°C**

SPECIFICATIONS

- UL: **E85381 VW-1, 300 V, 125°C**
- CSA: **LR31929 VW-1, 150 V, 125°C**
- Flammability Rating: **UL 224/
CSA VW-1**

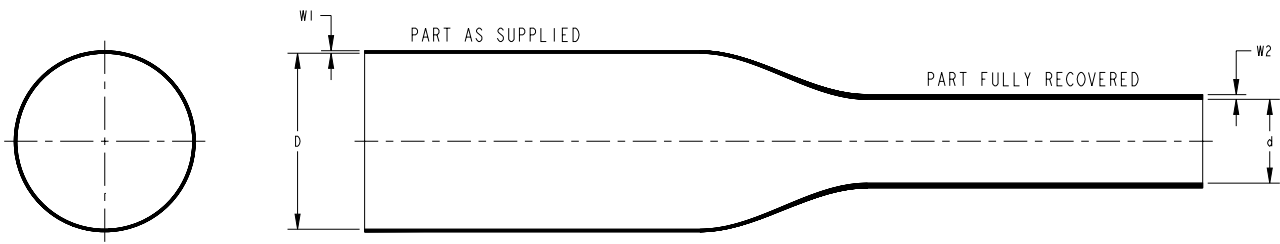
MARKETS

- Aerospace
- Appliances
- Defense & Military

TYPICAL APPLICATION

- Insulation of in-line components, wire splices and terminations. Especially suited for covering temperature sensitive components and wires.
- Strain relief on high-density connectors.

DIMENSIONS (MILLIMETERS/INCHES)



V4 TUBING DIMENSIONS METRIC

SIZE	AS SUPPLIED				AS RECOVERED			
	INSIDE DIAMETER D		WALL THICKNESS NOMINAL W1		INSIDE DIAMETER MAXIMUM d		WALL THICKNESS MINIMUM W2	
	mm	in	mm	in	mm	in	mm	in
0.4/0.2	0.70 ± 0.20	0.028 ± 0.008	0.10	0.004	0.22	0.009	0.19	0.007
0.6/0.3	0.95 ± 0.25	0.037 ± 0.010	0.10	0.004	0.30	0.012	0.19	0.007
0.8/0.4	1.20 ± 0.25	0.047 ± 0.010	0.10	0.004	0.40	0.016	0.25	0.010
1.0/0.5	1.40 ± 0.25	0.055 ± 0.010	0.10	0.004	0.50	0.020	0.25	0.010
1.5/0.75	1.90 ± 0.25	0.075 ± 0.010	0.10	0.004	0.75	0.030	0.25	0.010
2.0/1.0	2.30 ± 0.25	0.091 ± 0.010	0.10	0.004	1.00	0.039	0.25	0.010
2.5/1.25	2.80 ± 0.25	0.110 ± 0.010	0.15	0.006	1.25	0.049	0.25	0.010
3.0/1.5	3.30 ± 0.25	0.130 ± 0.010	0.15	0.006	1.50	0.059	0.25	0.010
3.5/1.75	3.80 ± 0.25	0.150 ± 0.010	0.15	0.006	1.75	0.069	0.25	0.010
4.0/2.0	4.40 ± 0.25	0.173 ± 0.010	0.15	0.006	2.00	0.079	0.25	0.010
5.0/2.5	5.50 ± 0.25	0.217 ± 0.010	0.15	0.006	2.50	0.098	0.25	0.010
6.0/3.0	6.50 ± 0.40	0.256 ± 0.016	0.15	0.006	3.00	0.118	0.28	0.011
7.0/3.5	7.50 ± 0.40	0.295 ± 0.016	0.15	0.006	3.50	0.138	0.28	0.011
8.0/4.0	8.50 ± 0.40	0.037 ± 0.010	0.15	0.006	4.00	0.157	0.28	0.011
9.0/4.5	9.50 ± 0.40	0.374 ± 0.016	0.15	0.006	4.50	0.177	0.28	0.011
10.0/5.0	10.50 ± 0.50	0.413 ± 0.020	0.15	0.006	5.00	0.197	0.28	0.011

V4 TUBING DIMENSIONS USA CUSTOMARY

SIZE	AS SUPPLIED		AS RECOVERED			
	INSIDE DIAMETER MINIMUM D		INSIDE DIAMETER MAXIMUM d		WALL THICKNESS W2	
	mm	in	mm	in	mm	in
3/64	1.17	0.046	0.58	0.023	0.30 ± 0.05	0.012 ± 0.002
1/16	1.60	0.063	0.79	0.031	0.30 ± 0.05	0.012 ± 0.002
3/32	2.36	0.093	1.17	0.046	0.30 ± 0.05	0.012 ± 0.002
1/8	3.17	0.125	1.57	0.062	0.33 ± 0.05	0.013 ± 0.002
3/16	4.74	0.187	2.36	0.093	0.33 ± 0.05	0.013 ± 0.002
1/4	6.35	0.250	3.17	0.125	0.36 ± 0.05	0.014 ± 0.002
3/8	9.52	0.375	4.74	0.187	0.36 ± 0.05	0.014 ± 0.002
1/2	12.70	0.500	6.35	0.250	0.36 ± 0.05	0.014 ± 0.002
3/4	19.05	0.750	9.52	0.375	0.46 ± 0.08	0.018 ± 0.003
1	25.40	1.000	12.70	0.500	0.51 ± 0.08	0.020 ± 0.003

ORDERING INFORMATION	
Color	Standard: Black (-0), Nonstandard: Other colors available upon request.
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.
Marking	Marked with UL/CSA/-F- legends (metric sizes) or unmarked (inch sizes).
Ordering Description	<p>Specify product family, size/range, color, and package.</p> <p>V4-X/X-X-X</p> <ul style="list-style-type: none"> ▶ Package ▶ Color ▶ Size/Range ▶ Product Family

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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