

VERSAFIT



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

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.

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

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**

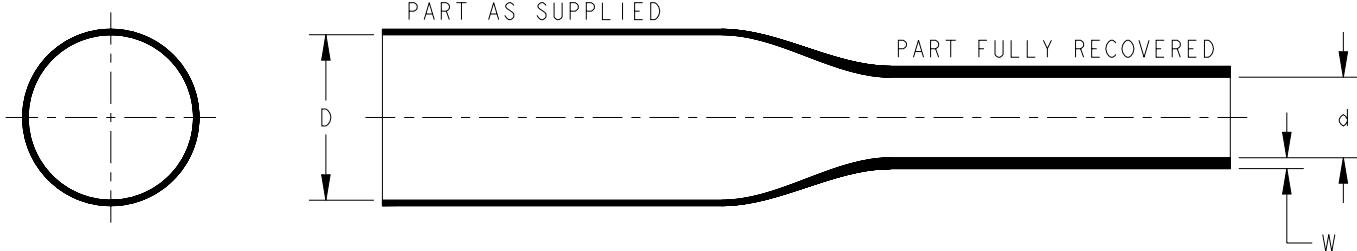
MARKETS

- 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.

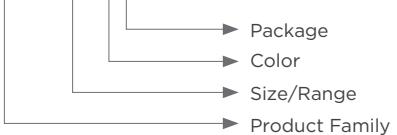
DIMENSIONS (MILLIMETERS/INCHES)



VERSAFIT 2:1 RATIO STANDARD SIZES

SIZE	AS SUPPLIED		AS RECOVERED							
	INSIDE DIAMETER (D)		INSIDE DIAMETER MAXIMUM (d)		WALL THICKNESS (W)					
	mm	in	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	Specify product family, size/range, color, and package. VERSAFIT-X/X-X-X 

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

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06/24