



IFE-HFT

Heat-Shrinkable (Halogen-Free) Tubing



HFT heat-shrinkable tubing from IFE is flame-retardant, halogen-free and easy to use. Ideal for fluid systems or electrical systems (automotive, mass transit, etc.), it is a high-quality product that delivers dependable performance and comes in the sizes and lengths you need.

- flame retardant
- halogen-free (also no lead, chromium, cadmium, or mercury)
- flexible yet durable polyolefin
- simple installation
- cut to length
- 38 standard I.D.'s (1.3mm to 100mm)
- available in shrink ratios of 2:1 (standard), 3:1, and 4:1
- UL 600V and F mark certifications
- next-day delivery of prototypes

www.ife-group.com



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Item	Specifications
Shrink Temperature	90°C (194°F)
Temperature Range	-40° to +125°C (-40° to 257°F)
Radial Shrinking Ratio	> 50%
Longitudinal Change	> 5%
Tensile Strength	> 10.4 MPa (1,508 psi)
Ultimate Elongation	> 200%
Aging in Circulating Air-Oven	158.0 + 1.0°C, 168 hours
After Aging: Tensile Strength and Ultimate Elongation	> 7.3 MPa (1,059) > 100%
Volume Resistivity	> 1,014 W.cm
Dielectric Strength	> 15 KV/mm
Flammability	VW-1
Concentricity	> 65

Specifications are for Medium-Duty tubing. Thin-Wall and Dual-Wall (with adhesive layer) tubing are also available.

Standard color is black, standard shrink ratio is 2:1. Minimum orders required for non-standards.

Due to our program of continuous improvement, specifications may be subject to change.



ISO 9001:2015

U.S. Size (Ref.)	Size	As Supplied (mm)		After Heating (mm)	
		Inside Dia.	Wall Thickness	Inside Dia.	Wall Thickness
	0.8	1.3 ± 0.2	0.15 ± 0.05	≤ 0.5	0.28 ± 0.05
	1.0	1.5 ± 0.2	0.18 ± 0.05	≤ 0.6	0.30 ± 0.05
	1.5	2.0 ± 0.2	0.18 ± 0.05	≤ 0.8	0.32 ± 0.05
1/16"	2.0	2.5 ± 0.2	0.18 ± 0.05	≤ 1.0	0.35 ± 0.05
	2.5	3.0 ± 0.2	0.20 ± 0.05	≤ 1.3	0.38 ± 0.05
1/8"	3.0	3.5 ± 0.3	0.20 ± 0.05	≤ 1.5	0.38 ± 0.05
	3.5	4.0 ± 0.3	0.20 ± 0.05	≤ 1.8	0.38 ± 0.05
	4.0	4.5 ± 0.3	0.23 ± 0.05	≤ 2.0	0.45 ± 0.05
	4.5	4.8 ± 0.3	0.23 ± 0.05	≤ 2.3	0.45 ± 0.05
	5.0	5.5 ± 0.3	0.23 ± 0.05	≤ 2.5	0.45 ± 0.05
1/4"*	6.0	6.5 ± 0.4	0.25 ± 0.05	≤ 3.0	0.50 ± 0.05
	6.5	7.0 ± 0.4	0.25 ± 0.05	≤ 3.0	0.52 ± 0.05
	7.0	7.5 ± 0.4	0.30 ± 0.08	≤ 3.5	0.60 ± 0.05
	8.0	8.5 ± 0.4	0.30 ± 0.08	≤ 4.0	0.60 ± 0.08
3/8"*	9.0	9.5 ± 0.4	0.30 ± 0.08	≤ 4.5	0.60 ± 0.08
	10.0	10.5 ± 0.5	0.30 ± 0.08	≤ 5.0	0.60 ± 0.08
	11.0	11.5 ± 0.5	0.30 ± 0.08	≤ 5.5	0.60 ± 0.08
1/2"*	12.0	12.5 ± 0.5	0.30 ± 0.08	≤ 6.0	0.60 ± 0.08
	13.0	13.5 ± 0.5	0.36 ± 0.12	≤ 6.5	0.65 ± 0.12
	14.0	14.5 ± 0.5	0.36 ± 0.12	≤ 7.0	0.65 ± 0.12
5/8"*	15.0	15.5 ± 0.5	0.36 ± 0.12	≤ 7.5	0.65 ± 0.12
	16.0	16.5 ± 0.5	0.36 ± 0.12	≤ 8.0	0.70 ± 0.12
	17.0	17.5 ± 0.5	0.36 ± 0.12	≤ 8.5	0.70 ± 0.12
3/4"*	18.0	18.7 ± 0.5	0.40 ± 0.15	≤ 9.0	0.75 ± 0.12
	20.0	20.6 ± 0.6	0.40 ± 0.15	≤ 10.0	0.80 ± 0.12
	22.0	22.7 ± 0.6	0.40 ± 0.15	≤ 11.0	0.80 ± 0.12
1"	25.0	25.5 ± 0.7	0.45 ± 0.15	≤ 12.5	0.90 ± 0.12
	28.0	29.2 ± 0.7	0.45 ± 0.15	≤ 14.0	0.90 ± 0.12
1-1/4"*	30.0	31.0 ± 0.7	0.45 ± 0.15	≤ 15.0	0.90 ± 0.12
	35.0	≥ 35.0	0.50 ± 0.15	≤ 19.0	1.00 ± 0.30
1-1/2"*	40.0	≥ 40.0	0.50 ± 0.15	≤ 21.0	1.00 ± 0.30
2"	50.0	≥ 50.0	0.50 ± 0.15	≤ 27.0	1.00 ± 0.30
	55.0	≥ 55.0	0.50 ± 0.15	≤ 28.0	1.00 ± 0.30
2-1/2"	60.0	≥ 60.0	0.50 ± 0.15	≤ 31.0	1.00 ± 0.30
2-3/4"	70.0	≥ 70.0	0.70 ± 0.30	≤ 35.0	1.45 ± 0.25
3"	80.0	≥ 80.0	0.70 ± 0.30	≤ 45.0	1.45 ± 0.25
3-1/2"	90.0	≥ 90.0	0.70 ± 0.30	≤ 45.0	1.45 ± 0.25
4"	100.0	≥ 100.0	0.70 ± 0.30	≤ 50.0	1.45 ± 0.25

* stock item (2:1 shrink ratio)

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IFE Americas is a global provider of sealing and retaining solutions to meet customer needs. We offer a wide range of clamps, couplings, straps, and sleeves, with in-house testing facilities and technical support.



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