

# Heavy Wall Heat Shrink Tubing

Heavy wall adhesive lined heat shrink tubing is impact, abrasion, corrosion, and chemical resistant. Provides mechanical protection, insulation and strain relief for electrical connections and components.

## Features

- 4-foot lengths\*
- Adhesive lined crosslinked polyolefin
- Seals out water and dirt
- High 3 to 1 shrink ratio
- Halogen Free
- SAE, REACH, RoHS compliant
- -55°C to 110°C continuous operating temperature
- 120°C shrink temperature

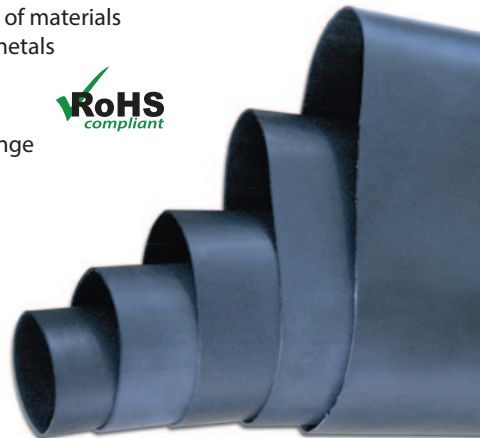
## Applications

- Ideal for insulation of electrical splices, cable terminations, and electrical connections
- Adhesive liner bonds to a variety of materials including plastics, rubbers, and metals
- Seals and protects components from moisture and corrosion
- 3:1 shrink ratio covers a broad range of applications in fewer sizes

## Approvals and Compliance

- VW1 Flame Retardant
- RoHS Compliant
- Halogen Free
- UL 224
- SAE
- REACH

-55°C TO 110°C



## Technical Data

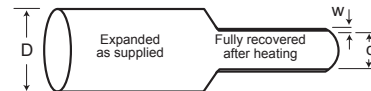
PROPERTY	TYPICAL VALUE
Shrink Ratio	>3 to 1
Operating Temperature	-55°C ~ 125°C
Tensile Strength	14.5 MPa
Ultimate Elongation	≥450%
Tensile Strength After Aging	13.5 MPa
Ultimate Elongation After Aging	400%
Concentricity	70
Longitudinal Shrinkage	5
Dielectric Strength	≥21kV/mm
Cracking Resistance	No Cracking
<b>ADHESIVE</b>	
Water Absorptivity	0.15%
Softening Point	85°C
Peel Strength	8N/25mm
Copper Stability	Pass
Antibacterial Property	Pass

## Sizes for Arctic Ultraflex Blue® Wire

AUF WIRE GAUGE	AUF WIRE DIAMETER	RECOMMENDED HD SHRINK SIZE
18 AWG	0.105"	1/3"
16 AWG	0.118"	1/3"
14 AWG	0.130"	1/3"
12 AWG	0.150"	1/3"
10 AWG	0.180"	1/3"
8 AWG	0.240"	1/2"
6 AWG	0.310"	3/4"
4 AWG	0.360"	3/4"
2 AWG	0.430"	3/4"
1 AWG	0.495"	3/4"
1/0 AWG	0.550"	3/4"
2/0 AWG	0.600"	1"
3/0 AWG	0.650"	1"
4/0 AWG	0.710"	1 1/2"
250 MCM	0.875"	1 1/2"
350 MCM	1.010"	2"
500 MCM	1.220"	2"

## 48" Heavy Wall Adhesive Lined Crosslinked Polyolefin Heat Shrink\*

Heavy Wall Shrink Size	Part Number BLACK	Part Number RED	Expanded Min. Internal Diameter (D)		Recovered Max. Internal Diameter (d)		Recovered Nominal Wall Thickness (w)	
			IN.	MM	IN.	MM	IN.	MM
1/3"	HSHD-0350-BK	HSHD-0350-RD	0.35	9.0	0.12	3.0	0.08	2.0
1/2"	HSHD-0500-BK	HSHD-0500-RD	0.51	13.0	0.16	4.0	0.09	2.4
3/4"	HSHD-0750-BK	HSHD-0750-RD	0.75	19.0	0.20	5.0	0.10	2.5
1"	HSHD-1100-BK	HSHD-1100-RD	1.30	33.0	0.31	8.0	0.13	3.2
1 1/2"	HSHD-1500-BK	HSHD-1500-RD	1.57	40.0	0.47	12.0	0.16	4.0
2"	HSHD-2000-BK	-	2.17	55.0	0.63	16.0	0.16	4.0
2 3/4"	HSHD-2700-BK	-	2.95	75.0	0.87	22.0	0.16	4.0
3 1/2"	HSHD-3500-BK	-	3.74	95.0	1.18	30.0	0.17	4.2
4 1/2"	HSHD-4700-BK	-	4.53	115.0	1.34	34.0	0.17	4.2



## Ordering Guidelines

Our 3:1 ratio shrink is ideal for covering both regular and irregular shapes. For the best balance of recovered wall thickness and adhesive sealant performance, choose a size with an expanded diameter (D) that is about twice the largest diameter of the part to be covered.

**\*To significantly reduce shipping cost, 48" heavy wall heat shrink is shipped as four 1 foot lengths**