

Adhesive Lined Precut Heat Shrink Tubing

1 1/2" Precut Dual Wall and Heavy Wall Adhesive Lined Heat Shrink provides a quality finish and adds longevity and durability to cables. Seals out corrosive water and dirt, and provides mechanical protection, insulation, and strain relief for electrical connections and components. Ideal for many applications including automotive and marine wire harness bundles, industrial splices, and connector to cable transitions.

- High 3 to 1 shrink ratio
- Dual Wall tubing shrinks at 110°C (230°F)
- Heavy Wall tubing shrinks at 120°C (248°F)
- Black and Red
- RoHS Compliant
- Halogen Free
- UL 224, SAE, REACH
- Dual Wall is VW1 flame retardant
- Impact, abrasion, corrosion, and chemical resistant
- Adhesive liner bonds to a variety of materials including plastics, rubbers, and metals



**1/2, 3/4, 1 and 1 1/2 inch diameter
1 1/2 inch precut lengths**



-55°C TO 110°C



3 to 1 shrink ratio is ideal for sealing battery cable ends against corrosion



Dual Wall Precut Adhesive Heat Shrink

Part Number BLACK	Part Number RED	Diameter	Length	Wire Sizes
HS-0500-BK-1.5	HS-0500-RD-1.5	1/2"	1 1/2"	8 – 1 AWG
HSBLK	HSRED	3/4"	1 1/2"	8 – 1 AWG
HSBLK-1	HSRED-1	1"	1 1/2"	1/0 – 4/0 AWG
HSBLK-1.5	HSRED-1.5	1 1/2"	1 1/2"	1/0 – 4/0 AWG

Heavy Wall Precut Adhesive Heat Shrink

Part Number BLACK	Part Number RED	Diameter	Length	Wire Sizes
HSBLKHD	HSREDHD	3/4"	1 1/2"	8 – 1 AWG
HSBLKHD-1	HSREDHD-1	1"	1 1/2"	1/0 – 4/0 AWG
HSBLKHD-1.5	HSREDHD-1.5	1 1/2"	1 1/2"	1/0 – 4/0 AWG



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

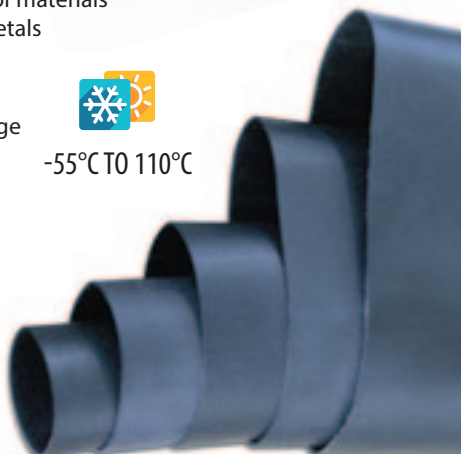
- Adhesive lined crosslinked polyolefin
- Seals out water and dirt
- High 3 to 1 shrink ratio
- 120°C (248°F) shrink temperature
- Halogen free
- SAE, REACH, RoHS compliant
- 4-foot lengths*

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
- Rated for applications up to 1Kv
- Suitable for direct burial

Approvals and Compliance

- RoHS Compliant
- SAE
- REACH
- Industrial, electric, and automotive OEM approvals



-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
ADHESIVE	
Water Absorptivity	0.15%
Softening Point	85°C
Peel Strength	8N/25mm
Copper Stability	Pass
Antibacterial Property	Pass

Sizes for Arctic Ultraflex Blue® Wire

Arctic Ultraflex Wire Gauge	Arctic Ultraflex Outside 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 shrink is shipped cut to 12" lengths**

Heat Shrink Tubing

Heat Shrink Variety Packages

Dual Wall Heat Shrink Tubing

Dual Wall Adhesive Lined Heat Shrink Tubing with environmental sealing capability is ideal for a variety of applications including automotive and marine wire harness bundles, industrial splices, breakouts, and connector to cable transitions.

Features

- Superior sealing against water and contaminants
- High 3 to 1 shrink ratio allows for coverage of irregularly shaped connectors and components
- Inner adhesive bonds to plastics, rubber, copper, steel, neoprene, and polyethylene
- VW-1 Flame retardant and flexible
- Shrink temperature: 120°C (248°F)
- Continuous operating temperature: -55°C to 110°C (-67°F to 230°F)



Applications

- Industrial, electronic, and automotive OEM approvals
- Environmental sealing and strain relief of connectors and terminals
- Sealing and insulation of simple inline splices, repair of damaged wire harnesses
- Abrasion resistance for tubes and pipes

-55°C TO 110°C



Ordering Guidelines

Our 3:1 ratio shrink covers 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" heat shrink is shipped folded or cut to 12" lengths**

12" Cut Length

Part Number	Diameter	Color
HS-0125-BK-12	1/8"	Black
HS-0125-CL-12	1/8"	Clear
HS-0125-RD-12	1/8"	Red
HS-0187-BK-12	3/16"	Black
HS-0187-CL-12	3/16"	Clear
HS-0187-RD-12	3/16"	Red
HS-0250-BK-12	1/4"	Black
HS-0250-CL-12	1/4"	Clear
HS-0250-RD-12	1/4"	Red
HS-0375-BK-12	3/8"	Black
HS-0375-CL-12	3/8"	Clear
HS-0375-RD-12	3/8"	Red
HS-0500-BK-12	1/2"	Black
HS-0500-CL-12	1/2"	Clear
HS-0500-RD-12	1/2"	Red
HS-0750-BK-12	3/4"	Black
HS-0750-CL-12	3/4"	Clear
HS-0750-RD-12	3/4"	Red
HS-1000-BK-12	1"	Black
HS-1000-CL-12	1"	Clear
HS-1000-RD-12	1"	Red

48" Cut Length

Part Number	Diameter	Color
HS-0125-BK-48	1/8"	Black
HS-0125-CL-48	1/8"	Clear
HS-0125-RD-48	1/8"	Red
HS-0187-BK-48	3/16"	Black
HS-0187-BL-48	3/16"	Blue
HS-0187-CL-48	3/16"	Clear
HS-0187-GR-48	3/16"	Green
HS-0187-RD-48	3/16"	Red
HS-0187-WT-48	3/16"	White
HS-0187-YL-48	3/16"	Yellow
HS-0250-BK-48	1/4"	Black
HS-0250-BN-48	1/4"	Brown*
HS-0250-OR-48	1/4"	Orange*
HS-0250-BL-48	1/4"	Blue
HS-0250-CL-48	1/4"	Clear
HS-0250-GR-48	1/4"	Green
HS-0250-RD-48	1/4"	Red
HS-0250-WT-48	1/4"	White
HS-0250-YL-48	1/4"	Yellow
HS-0375-BK-48	3/8"	Black
HS-0375-BL-48	3/8"	Blue
HS-0375-CL-48	3/8"	Clear
HS-0375-GR-48	3/8"	Green
HS-0375-RD-48	3/8"	Red
HS-0375-WT-48	3/8"	White
HS-0375-YL-48	3/8"	Yellow
HS-0500-BK-48	1/2"	Black
HS-0500-BL-48	1/2"	Blue
HS-0500-CL-48	1/2"	Clear
HS-0500-GR-48	1/2"	Green
HS-0500-RD-48	1/2"	Red
HS-0500-WT-48	1/2"	White
HS-0500-YL-48	1/2"	Yellow
HS-0750-BK-48	3/4"	Black
HS-0750-BL-48	3/4"	Blue
HS-0750-CL-48	3/4"	Clear
HS-0750-GR-48	3/4"	Green
HS-0750-RD-48	3/4"	Red
HS-0750-WT-48	3/4"	White
HS-0750-YL-48	3/4"	Yellow
HS-1000-BK-48	1"	Black
HS-1000-BL-48	1"	Blue
HS-1000-CL-48	1"	Clear
HS-1000-GR-48	1"	Green
HS-1000-RD-48	1"	Red
HS-1000-WT-48	1"	White
HS-1000-YL-48	1"	Yellow
HS-1250-BK-48	1 1/4"	Black
HS-1250-RD-48	1 1/4"	Red
HS-1500-BK-48	1 1/2"	Black
HS-1500-BL-48	1 1/2"	Blue
HS-1500-CL-48	1 1/2"	Clear
HS-1500-GR-48	1 1/2"	Green
HS-1500-RD-48	1 1/2"	Red
HS-1500-WT-48	1 1/2"	White
HS-1500-YL-48	1 1/2"	Yellow

*Special Order

Dual Wall Adhesive Lined Crosslinked Polyolefin*

AS SUPPLIED						AFTER RECOVERY						Standard Lengths
Part Number	Size	Minimum Inside Diameter (D)		Nominal Wall Thickness		Maximum Inside Diameter (d)		Total Nominal Wall Thickness (w)		Nominal Adhesive Wall		
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
HS-0125	1/8"	0.126	3.2	0.016	0.40	0.039	1.0	0.033	0.85	0.014	0.35	12, 48
HS-0187	1/16"	0.185	4.7	0.016	0.40	0.059	1.5	0.041	1.05	0.018	0.45	12, 48
HS-0250	1/4"	0.252	6.4	0.018	0.45	0.079	2.0	0.043	1.10	0.018	0.45	12, 48
HS-0375	3/8"	0.370	9.4	0.024	0.60	0.118	3.0	0.057	1.45	0.018	0.45	12, 48
HS-0500	1/2"	0.500	12.7	0.024	0.60	0.157	4.0	0.059	1.50	0.018	0.45	12, 48
HS-0750	3/4"	0.748	19.0	0.030	0.75	0.236	6.0	0.079	2.00	0.026	0.65	12, 48
HS-1000	1"	0.992	25.2	0.030	0.75	0.331	8.4	0.079	2.00	0.026	0.65	12, 48
HS-1250	1 1/4"	1.181	30.0	0.031	0.80	0.394	10.0	0.087	2.20	0.030	0.75	48
HS1500	1 1/2"	1.570	39.9	0.033	0.85	0.593	13.7	0.098	2.50	0.039	1.00	48

Heat Shrink Service Kits
available — see page 70



Dual Wall Heat Shrink Packs

3 to 1 Ratio Adhesive Lined Heat Shrink packaged in a variety of sizes of red or black, or by size in a mix of colors.



Size Variety Packs

- 10 pieces in 12" lengths
- 2 each of 1/8", 1/4", 3/8", 1/2", 3/4"

Color Mix Packs

- 10 pieces in 12" lengths
- 1 each of yellow, green, blue, white
- 2 each black, red, clear



Dual Wall Size Variety Packs

Part Number	Diameter Mix	Color
HS-BLACK-PKG	1/8" to 3/4"	● Black
HS-RED-PKG	1/8" to 3/4"	● Red

Dual Wall Color Mix Packs

Part Number	Diameter	Color Mix
HS-250-PKG	1/4"	● Black
HS-375-PKG	3/8"	○ White
HS-500-PKG	1/2"	● Red
HS-750-PKG	3/4"	● Green
		○ Clear
		● Blue
		● Yellow



-55°C TO 110°C

Heavy Wall Shrink Packs

3 to 1 Ratio Heavy Duty Adhesive Lined Heat Shrink in various sizes of red or black, or in single size, 2-color packs.

Size Variety Packs

- 10 pieces in 12" lengths
- 3 each of 1/3", 1/2", and 3/4"
- 1 of 1"

2-Color Black/Red Packs

- 4 pieces in 12" lengths
- 2 each of red and black



-55°C TO 110°C

Heavy Wall Size Variety Packs

Part Number	Diameter Mix	Color
HSHD-BLACK-PKG	1/3" to 1"	● Black
HSHD-RED-PKG	1/3" to 1"	● Red

Heavy Wall Black/Red Packs

Part Number	Diameter	Color Mix
HSHD-350-PKG	1/3"	● Black
HSHD-500-PKG	1/2"	● Red
HSHD-750-PKG	3/4"	
HSHD-1100-PKG	1"	

Automatic Ignition Torch

The heavy duty **Pro-Torch™ Butane Torch** provides a strong and stable flame for demanding jobs where the highest BTU output is required. Precision orifice and controls. Ergonomic grip for comfort at most any angle.

- State of the art waterproof Piezo Electronic Ignition
- Large fuel tank provides up to 200 minutes use per filling
- Powerful high-output wind-resistant adjustable flame
- Heavy duty ribbed aluminum body with comfort grip
- Easily refilled with any brand of butane

Length 4.73" Height 6.9" Weight 10.6 oz.

Part Number
PTB-500



Custom Heat Shrink Variety Packs

Need specific types, colors, or sizes?
We configure custom variety packs with
the shrinks you use most. Give us a call!