



## SHRINKFLEX® 4:1 DUAL WALL ADHESIVE

**SHRINKS TO 1/4 ITS ORIGINAL DIAMETER · EASILY INSTALLS OVER CONNECTORS & SPLICES  
SEALS & PROTECTS A WIDE VARIETY OF ELECTRICAL APPLICATIONS**

Dual wall adhesive lined polyolefin heatshrink tubing is ideal for producing strong, weather tight seals on any heatshrink installation. During the application of heat from a heat gun or other heat source, the inner adhesive walls melts and flows, creating adhesion layer to ensure a snug fit to your harness or connector. Adhesive lined heatshrink has 4:1 shrink ratio, and it is available in 4' strips.

### SIZING CHART

Nominal Size	Part #	Unshrunk Diameter /mm	Shrunk Diameter /mm	4 Feet Pcs. *Put-Ups		Available Colors	Lbs/ 10Pcs.
				M	L		
1 1/4"	H4A1.25	32.0	8.0	5	25	2	3.50
2"	H4A2.00	52.0	13.0	5	15	2	8.00

Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

### FEATURES

Material	Polyolefin
Grade	H4A
Monofilament Diameter	NA
Drawing Number	TF001H4A-WD
Cutting	Scissors

### COLORS



Black (BK), Clear (CL)

### CERTIFICATIONS



## CHEMICAL RESISTANCE

Corrosion (ASTM DTL-23053)	No Corrosion
Fluid Resistance (73°F/23°C, 24 hrs.)	900 min.

## PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	UL, VW-1
Recommended Cutting	Scissors
Colors	5
Tensile Strength (psi) (ASTM D-638)	1,500
Elongation (%) (ASTM D-638)	200
Deformation (%) (316°F/158°C, 1 hr.) (MIL-DTL-23053)	Max. 50
Moisture Absorption (%) (ASTM D-570)	.5
Heat Shock (482°F/250°C, 4 hrs.) (MIL-DTL-23053)	No Cracking
Cold Bend (-67°F/-55°C, 4 hrs.) (MIL-DTL-23053)	No Cracking
Flexibility (316°F/158°C, 168 hrs.) (MIL-DTL-23053)	No Cracking
Secant Modulus (psi) (MIL-DTL-23053)	25,000
Longitudinal Change (%) (MIL-DTL-23053)	+5, -15
Dielectric Strength (volt/mil) (ASTM D-876)	500
Volume Resistivity (ohm/cm) (ASTM D-876)	1.0 x 10 <sup>14</sup>

## FLAMMABILITY

Rating	UL, VW-1
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## OPERATING TEMPERATURES

Shrinks	194°F / 90°C
Maximum Continuous (Mil-I-23053)	257°F / 125°C
Minimum Continuous (Mil-I-23053)	-67°F / -55°C



## HOW-TO

Measure the Shrinkflex® tubing to length and cut with a scissor. The thickness of your bundle, as well as the desired final appearance, will determine the length of the tubing you cut. Generally, a piece 1½" - 2" long will accommodate almost any need. Single wires, or smaller bundles, require shorter pieces.

Slip the Shrinkflex® tubing over the bundle and position it so that both the sleeved and unsleeved portions are sufficiently covered. Notice the small pieces of tubing installed on single wires as part of a color coding system. If your project requires multiple operations, always work up from the smallest to the largest bundle.

Gently apply heat to Shrinkflex® tubing from a heat gun, hair dryer or torch with an appropriate attachment. Keep the heat source far enough away so that hot metal or direct flame does not come in contact with the tubing, wires or sleeving. Move the heat around the bundle to prevent damaging the sleeving and to ensure that all areas of the tubing have been shrunk. Once cooled, your installation is complete.