



A division of CSA Technical Solutions, LLC
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Adhesive Lined Heat Shrink Tubing 3:1 Ratio

Our versatile 3:1 thin-wall heat shrinkable tubing is also available with an Adhesive, "dual-wall" construction. Dual-wall is made by combining two different materials. The outer wall is Polyolefin heat shrink, and the inner wall is a hot melt adhesive. When exposed to heat (usually a bit lower than the activation temperature of normal heat shrink), the inner layer begins to flow, just like hot melt glue. When the tubing shrinks and cools down, this inner layer forms an adhesion layer between the tubing and the component or wire. This provides a water-tight seal, protecting the connector and/or wire. It also allows the tubing to stick to the substrate, thus the name "adhesive-lined" heat shrink tubing. Use Polyolefin Heat Shrink Tubing for industrial applications, cable repair, intricate electronics protection, and anywhere you need a versatile seal to insulate and secure electrical components. Practical uses for heat shrink include Wire Insulation, Wire Identification, Wire Bundling, Mechanical Protection, Color Coding, Lightweight Harnessing, Strain Relief, and Solder Insulation.

Features:

- 3:1 Shrink Ratio with melt adhesive inner lining (shrinks to 1/3 its original diameter)
- Up to 15% longitudinal shrinkage
- Meets requirements of AMS-DTL-23053/4 (formerly MIL-I-23053/4), Class 3
- UL224 VW-1 Certified (Jacket only select colors. Inquire with us for file information)
- CSA OFT approved
- Maximum use temperature 135°C
- Shrink Temperature of 90°C and operating temperature of -55°C to + 110°C
- Crosses to: Sumitomo W3B2, Raychem ATUM, Alpha FIT-321, 3M EPS-300, Canusa CPA-100, LG GSHS-3635W
- Typical applications include: Insulation, Wire Identification, Wire Bundling, Mechanical Protection, Color Coding, Lightweight Harnessing, Physical/Electrical Protection of Components, Strain Relief, and Solder Insulation.

Dimensions

Diameter	Mil Specification #	Manufacturer Part #	ID Before Shrink	Max ID after shrinking	Wall After Shrink(Total)
1/8"	AMS-DTL-23053/4-301	HS3A-0125	0.120"	.040"	0.04"
3/16"	AMS-DTL-23053/4-0188	HS3A-0188	0.180"	.060"	0.04"
1/4"	AMS-DTL-23053/4-302	HS3A-025	0.240"	.080"	0.04"
3/8"	AMS-DTL-23053/4-0375	HS3A-0375	0.360"	.120"	0.05"
1/2"	AMS-DTL-23053/4-303	HS3A-050	0.470"	.160"	0.06"
3/4"	AMS-DTL-23053/4-075	HS3A-075	0.750"	.250"	0.08"
1"	AMS-DTL-23053/4-304	HS3A-100	0.940"	.320"	0.087"

1-1/2"	AMS-DTL- 23053/4-305	HS3A-150	1.570"	.440"	0.09"
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