



A division of CSA Technical Solutions, LLC
1980 NW 44th St Deerfield Beach, FL 33064
Phone 954-978-0056 Fax 888-617-2010
 www.BuyHeatShrink.com

3:1 Heavy Wall Adhesive Lined Heat Shrink Tubing

For direct burial of heavy duty electrical cable, where environmental protection is necessary. Tubing is supplied with an adhesive layer, adding a water tight seal to the strain relief the tubing provides. When exposed to heat (usually a bit lower than the activation temperature of the heat shrink), the inner layer begins to flow (just like a hot melt glue). When the tubing shrinks and cools down, the inner layer forms an adhesion layer between the tubing and the component or wire. This provides a watertight seal, protecting the connector and/or wire in direct burial and submersed applications

Features:

- 3:1 Shrink Ratio with melt adhesive inner lining (shrinks to 1/3 its original diameter)
- Longitudinal Shrinkage: up to 10%
- Meets requirements of AMS-DTL-23053/15 (formerly MIL-I-23053/15), Class 1
- UL 224 [VW-1](#) flame retardant (jacket only)
- UL 486D rated for direct burial
- Dielectric Strength 500 V/mil (500 x Jacket Wall thickness x 1000) (for example, a typical tube thickness after shrinking will be about 0.10. Using these calculations, the rating will be about 50,000V, or 50KV)
- Maximum Continuous use temperature 110°C
- Shrink Temperature of 120°C and operating temperature of -55°C to + 110°C
- Crosses to: Canusa CFW, 3M HDT, 3M ITCSN, Tyco Raychem RHW, LG PHWT
- Typical applications include: Electrical insulation - Ideal for exposed or underground applications providing good insulation, waterproofing and mechanical protection. Also suitable for Mechanical and abrasion protection, Physical/Electrical Protection of Components, Strain Relief, and Solder Insulation.

Dimension

Part Number	Diameter	AMS-DTL-23053	Min ID Before Shrinking	Max ID After Shrinking	Wall Thickness After Shrinking		Length
					Jacket	Adhesive	
HS3AH-030	0.3"	-	0.30"	0.10"	0.08"	0.010"	4"
HS3AH-0375	3/8"	/15-108	0.354"	0.118"	0.079"	0.010"	4"
HS3AH-040	0.4"	-	0.39"	0.15"	0.09"	0.010"	4"
HS3AH-050	1/2"	-	0.512"	0.158"	0.094"	0.012"	4"
HS3AH-075	3/4"	-	0.750"	0.240"	0.9"	0.014"	4"
HS3AH-090	7/8"	/15-101	0.866"	0.236"	0.098"	0.014"	4"
HS3AH-110	1.1"	-	1.1"	0.315"	0.120"	0.014"	4"
HS3AH-1375	1.3"	/15-109 /15-102	1.299"	0.315"	0.126"	0.014"	4"
HS3AH-150	1.5"	-	1.50"	0.47"	0.16"	0.015"	4"
HS3AH-175	1.75"	/15-110 /15-103	1.77"	0.472"	0.169"	0.016"	4"
HS3AH-200	2"	-	2.00"	0.630"	0.17"	0.017"	4"
HS3AH-215	2.15"	/15-104	2.165"	0.630"	0.177"	0.016"	4"
HS3AH-270	2.7"	-	2.70"	0.870"	0.17"	0.017"	4"
HS3AH-300	3"	/15-111 /15-105	2.953"	0.827"	0.173"	0.016"	4"
HS3AH-375	3.75"	-	3.74"	1.18"	0.169"	0.018"	4"
HS3AH-450	4.5"	-	4.50"	1.50"	0.17"	0.018"	4"
HS3AH-500	5"	/15-112 /15-106	5.11"	1.42"	0.17"	0.018"	4"
HS3AH-700	7"	-	7.10"	1.97"	0.17"	0.018"	4"