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3:1 Heavy Wall Adhesive Lined Heat Shrink Tubing | 4 Ft Length

Our 3:1 heavy wall adhesive lined heat shrink tubing is ideal for direct burial of heavy duty electrical cables, where environmental protection is necessary. This high quality heat shrinkable tubing is supplied with an inner 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. 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). Crosses to Canusa CFW, 3M HDT, 3M ITCSN, Tyco Raychem RHW, LG PHWT.

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.

Specifications/Approvals:

- Military: AMS-DTL 23053/4 Class 1 (Formerly Mil-I-23053/4)
- Underwriters Lab: UL 224 600V, 125°C, VW-1, (Jacket only), CSA
- Crosses to: Sumitomo W5DL, Raychem SCL, Alpha FIT-300, 3M MW, Canusa CPA-300, LG GSHS-3625WS

Dimensions

Manufacturer Part #	Diameter	Mil Specification #	ID Before Shrink	Max ID after shrinking	Wall After Shrink (jacket)
HS3AH-0375	3/8"	AMS-DTL-23053/15-108	0.354"	0.118"	0.079"
HS3AH-040	0.4"	-	0.39"	0.15"	0.09"
HS3AH-050	1/2"	-	0.512"	0.158"	0.094"
HS3AH-075	3/4"	-	0.750"	0.24"	0.09"

HS3AH-090	7/8"	AMS-DTL-23053/15-101	0.866"	0.236"	0.098"
HS3AH-110	1.1"	-	1.1"	0.315"	0.12"
HS3AH-1375	1.3"	AMS-DTL-23053/15-109 AMS-DTL-23053/15-102	1.299"	0.315"	0.126"
HS3AH-150	1.5"	-	1.5	0.47"	0.16"
HS3AH-175	1.75"	AMS-DTL-23053/15-110 AMS-DTL-23053/15-103	1.77	0.472"	0.169"
HS3AH-200	2"	-	2.00"	0.63"	0.17"
HS3AH-215	2.15"	AMS-DTL-23053/15-104	2.165"	0.63"	0.177"
HS3AH-270	2.7"	-	2.70"	0.87"	0.17"
HS3AH-300	3"	AMS-DTL-23053/15-105 AMS-DTL-23053/15-111	2.953"	0.827"	0.173"
HS3AH-375	3.75"	-	3.74"	1.18"	0.169"
HS3AH-450	4.5"	-	4.5	1.5"	0.17"
HS3AH-500	5"	AMS-DTL-23053/15-112 AMS-DTL-23053/15-106	5.11	1.42"	0.17"
HS3AH-700	7"	-	7.10"	1.97"	0.17"