



A division of CSA Technical Solutions, LLC
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3M HDT Heavy Wall Adhesive Lined Heat Shrink

3M HDT tubing is an excellent choice for mechanical and environmental protection under extreme conditions. With a high dielectric strength, heavy duty adhesive lining, and high temperature resistance, 3M HDT heat shrink tubing is perfect for long term insulation and protection over long periods of time. When the tubing shrinks the inner adhesive 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:

- Shrink Ratio as high as 4:1 with melt adhesive inner lining (shrinks up to 1/4 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
- Maximum Continuous use temperature of 110°C
- Shrink Temperature of 120°C and operating temperature of -55°C to + 110°C
- Crosses to: Canusa CFW, same as 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.

Dimensions

| Part Number | 3M Part # | Min ID Before Shrinking | ID After Shrinking | Wall Thickness After Shrink | Adhesive Wall Thickness |
|-------------|-----------|-------------------------|--------------------|-----------------------------|-------------------------|
| HS-HDT-0300 | HDT-0300 | 0.30" | 0.10" | 0.08" | 0.01" |
| HS-HDT-0400 | HDT-0400 | 0.40" | 0.15" | 0.09" | 0.01" |
| HS-HDT-0800 | HDT-0800 | 0.80" | 0.20" | 0.11" | 0.01" |
| HS-HDT-1100 | HDT-1100 | 1.10" | 0.37" | 0.12" | 0.01" |
| HS-HDT-1500 | HDT-1500 | 1.50" | 0.50" | 0.17" | 0.02" |
| HS-HDT-2000 | HDT-2000 | 2.00" | 0.65" | 0.17" | 0.02" |
| HS-HDT-3000 | HDT-3000 | 3.00" | 1.00" | 0.17" | 0.02" |
| HS-HDT-4500 | HDT-4500 | 4.50" | 1.50" | 0.17" | 0.02" |
| HS-HDT-6000 | HDT-6000 | 6.00" | 1.80" | 0.17" | 0.02" |
| HS-HDT-7000 | HDT-7000 | 7.00" | 2.00" | 0.17" | 0.02" |