

# HEAT SHRINKABLE POLYOLEFIN NICKEL-COPPER PLATED POLYESTER CLOTH SHEILDING

**HSLD** makes use of HLT heat shrinkable tubing with a soft, intercloth liner of .004" nickel/copper plated, polyester cloth.

**HSLD** combines the convenience of a single step installation of heat shrinkable tubing and high performance shielding. Grounding can be accomplished through a connector, back-shell, or grounding wire.

Applicable Specifications: SAE-AMS-DTL-23053/5, Class 1 & 3  
(Jacket only)  
Typical Shielding Attenuation: 85 dB (100 MHz - 10 GHz)  
Operating Temperature Range: -67°F (-55°C) to 275°F (135°C)  
Shrink Ratio: 2 to 1  
Shrink Temperature: 176°F (80°C)  
Recommended Heat Gun: 500°F (260°C)  
Standard Colors: Black  
Standard Shipping Length: 4 Foot Lengths

| Catalog Number Size | Minimum Expanded I.D. |       | Maximum Recovered I.D. |       | Recovered Wall Thickness |      | Std. 4-ft Lengths ft / pkg |
|---------------------|-----------------------|-------|------------------------|-------|--------------------------|------|----------------------------|
|                     | inches                | mm    | inches                 | mm    | inches                   | mm   |                            |
| HSLD-3/16           | 0.188                 | 4.76  | 0.093                  | 2.36  | 0.020                    | 0.50 | 20, 100                    |
| HSLD-1/4            | 0.250                 | 6.35  | 0.125                  | 3.18  | 0.025                    | 0.63 | 20, 100                    |
| HSLD-3/8            | 0.375                 | 9.53  | 0.188                  | 4.76  | 0.025                    | 0.63 | 20, 100                    |
| HSLD-1/2            | 0.500                 | 12.70 | 0.250                  | 6.35  | 0.025                    | 0.63 | 20, 100                    |
| HSLD-3/4            | 0.750                 | 19.05 | 0.375                  | 9.53  | 0.030                    | 0.76 | 20, 100                    |
| HSLD-1"             | 1.000                 | 25.40 | 0.500                  | 12.70 | 0.035                    | 0.89 | 20, 100                    |

# HEAT SHRINKABLE POLYOLEFIN SEMI-RIGID • HEAVY-WALL • 3:1 • ADHESIVE-LINED

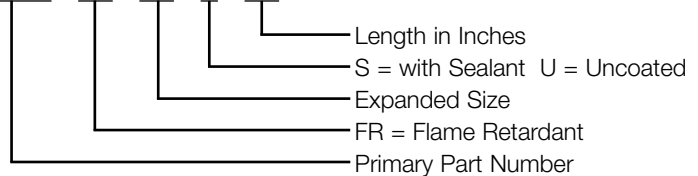
**HW3X** is a self-sealing heat-shrinkable tubing that offers greater protection under adverse environmental conditions. Standard product is supplied with sealant which provides waterproofing and protection in underwater or underground conditions. The polymer tubing has excellent insulating, abrasion-resisting, and strain-relief properties. Seals may be made over lead, steel, aluminum, copper and all standard plastic and elastomeric insulating materials. Also available without sealant (uncoated).

\*When special ordered with flame retardant (FR), tubing meets the requirements of SAE-AMS-DTL-23053/15, Class 1.

Applicable Specifications: SAE-AMS-DTL-23053/15, Class 1\*  
Operating Temperature Range: -67°F (-55°C) to 194°F (90°C)  
Shrink Ratio: 3 to 1  
Shrink Temperature: 250°F (121°C)  
Recommended Heat Gun: 500°F (260°C)  
Standard Colors: Black  
Standard Shipping Length: Cut Lengths, See Table Below

Part Number Definition:

**HW3X - XX - XX - X - XX**



| Catalog Number Size | Minimum Expanded I.D. |        | Maximum Recovered I.D. |       | Recovered Wall Thickness |      | Standard Cut Lengths inches |
|---------------------|-----------------------|--------|------------------------|-------|--------------------------|------|-----------------------------|
|                     | inches                | mm     | inches                 | mm    | inches                   | mm   |                             |
| HW3X-04-            | 0.400                 | 10.16  | 0.150                  | 3.81  | 0.060                    | 1.52 | 6, 9, 12, 24, 30            |
| HW3X-07-            | 0.750                 | 19.05  | 0.220                  | 5.59  | 0.095                    | 2.41 | 6, 9, 12, 24, 30, 36, 48    |
| HW3X-11-            | 1.100                 | 27.94  | 0.375                  | 9.53  | 0.120                    | 3.05 | 6, 9, 12, 24, 30, 36, 48    |
| HW3X-15-            | 1.500                 | 38.10  | 0.500                  | 12.70 | 0.140                    | 3.56 | 6, 9, 12, 24, 30, 36, 48    |
| HW3X-20-            | 2.000                 | 50.80  | 0.750                  | 19.05 | 0.155                    | 3.94 | 6, 9, 12, 24, 30, 36, 48    |
| HW3X-30-            | 3.000                 | 76.20  | 1.250                  | 31.75 | 0.155                    | 3.94 | 6, 9, 12, 24, 30, 36, 48    |
| HW3X-40-            | 4.000                 | 101.60 | 1.750                  | 44.45 | 0.155                    | 3.94 | 12, 24, 36, 48              |