



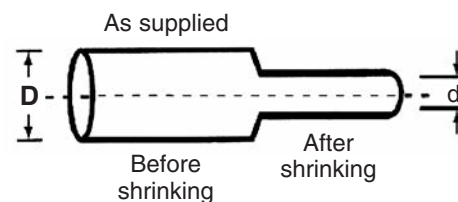
## UNDERGROUND

### HEAT SHRINK TUBING HEAVY WALL with ADHESIVE

1000V  
110°C

Black cross-linked heavy-wall heat-shrink tubing  
 Use to insulate electrical cable splices in utility/industrial applications  
 Use on compression splices (C, SC, SC-FX Series) and adapters (CRK, ND-R Series)  
 Also use to insulate barrels of compression lugs  
 Use for insulation of primary low voltage cables  
 Withstands severe mechanical and sealing requirements  
     of URD, submersible, and direct burial installations  
 Provides strain relief and mechanical protection  
 Resists impact and abrasion  
 Supplied as expanded tube  
 Shrink ratio 3:1, wide range of available diameters  
 Shrink temperature: 120°C  
 Thermoplastic hot-melt adhesive lining seals to cable jackets  
     when heated  
 Continuous operating temperature rating: -55°C to 110°C

Meets UL 486D, CSA C22.2 No. 198.2, ANSI C119.1,  
 Western Underground Guide Numbers 2.4 and 2.5,  
 ICEA and NEMA insulation thickness requirements.



### HWA SERIES

| NAED NUMBER | CATALOG NUMBER | NOMINAL SIZE | WIRE SIZE |     | INSIDE DIA |     | LENGTH PIECE (IN) | PKG QTY | EST. SHIPPING |      |
|-------------|----------------|--------------|-----------|-----|------------|-----|-------------------|---------|---------------|------|
|             |                |              | MAX       | MIN | D          | d   |                   |         | WEIGHT (lbs)  | UNIT |
| 41850       | HWA50-6        | 1/2          | #6        | #8  | .51        | .16 | 6                 | 8       | .3            | CTN  |
| 41875       |                | 3/4          | #2        | #6  | .75        | .24 | 6                 | 6       | .4            | CTN  |
| 41810       | HWA75-6        | 1            | 3/0       | #1  | 1.1        | .35 | 9                 | 4       | .6            | CTN  |
| 41815       | HWA100-9       | 1½           | 350       | 2/0 | 1.5        | .47 | 9                 | 3       | .63           | CTN  |
| 41820       | HWA150-9       | 2            | 500       | 250 | 2.0        | .63 | 9                 | 3       | 1.0           | CTN  |
| 41827       | HWA200-9       | 2¾           | 1000      | 600 | 2.7        | .87 | 12                | 1       | .5            | EA   |

Lengths provide 2-inch seal on both cable jackets when using long barrel compression splice.  
 Other lengths and sizes available.

### INSTALLATION

1. Place the tube over one of the cable-ends before splicing.
2. Install the electrical splice.
3. Center the tube over the splice so a minimum of 2 inches of tubing will seal to each cable jacket.
4. With a soft-flame torch, begin at the center and heat slowly around the radius, moving progressively to each end. When heated to shrink temperature, the tubing shrinks and conforms to the splice, and the adhesive melts and seals to the splice and cable jackets. Heat so adhesive forms a bead around each end.  
 Do not overheat, which can scorch and damage the tubing.