

# TECHNICAL DATA SHEET

**Part No.** 321-30200  
**Article No.** 321-30200  
**Type** HA67-44.4/7.4



HA47 is a thick-wall adhesive lined heat shrink tubing for use in applications up to 1000 volts. The adhesive lining provides excellent moisture sealing and weather protection, making it suitable for above and below ground applications. Made of a polyolefin outer material, this tubing has a shrink ratio up to 3.5 to 1. The adhesive lining begins to activate as the temperature approaches 185° F (85° C).

|                                            |                                   |
|--------------------------------------------|-----------------------------------|
| <b>Material</b>                            | Polyolefin, cross-linked (PO-X)   |
| <b>Adhesive</b>                            | Hot melt adhesive                 |
| <b>Shrink Ratio</b>                        | 6:1                               |
| <b>Longitudinal Change After Shrinkage</b> | -10% max.                         |
| <b>Min. Shrink Temperature</b>             | +248 °F (+120 °C)                 |
| <b>Operating Temperature</b>               | -67°F to +230°F (-55°C to +110°C) |
| <b>Dielectric Strength</b>                 | 20 kV/mm                          |
| <b>Halogen Free</b>                        | Yes                               |
| <b>UV Resistant</b>                        | No                                |
| <b>Use Conditions</b>                      | For Indoor and Outdoor Use        |
| <b>Color</b>                               | Black (BK)                        |
| <b>Pkg. Qty.</b>                           | 2                                 |
| <b>Carton Qty.</b>                         | 60                                |
| <b>Customs Number</b>                      | 3926909988                        |

|                                        |                   |
|----------------------------------------|-------------------|
| <b>Adhesive</b>                        | Hot melt adhesive |
| <b>Dielectric Strength</b>             | 20 kV/mm          |
| <b>Length (imperial)</b>               | 4 ft              |
| <b>Length (metric)</b>                 | 1.2 m             |
| <b>Max. Bundle Diameter (imperial)</b> | 1.75 "            |
| <b>Max. Bundle Diameter (metric)</b>   | 44.4 mm           |
| <b>Min. Bundle Diameter (imperial)</b> | 0.29 "            |
| <b>Min. Bundle Diameter (metric)</b>   | 7.4 mm            |
| <b>Recovered Diameter (metric)</b>     | 7.4 mm            |
| <b>Shrink Ratio</b>                    | 6:1               |
| <b>Supplied Diameter (metric)</b>      | 44.4 mm           |
| <b>Tensile Strength</b>                | 14 MPa            |
| <b>Wall Thickness (metric)</b>         | 3.6 mm            |

HF ✓

RoHS ✓